

HICKOK

INSTRUMENT ROOM COPY
HH/8

FOREIGN TUBE TYPES

SUPPLEMENTARY TEST DATA

for

MODELS 580 & 580A

TUBE TESTERS

© THE HICKOK ELECTRICAL INSTRUMENT CO.— 1968
10514 DUPONT AVENUE • CLEVELAND, OHIO 44108

PHONE — 541-8060

TWX — CV 662

CABLE — HICKOK, CLEVELAND

WESTERN UNION — KJ

3200-154

Supersedes 3200-120

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
1AJ4	1.4	AGFO-BCOO	1.0	E	E	A	S4	600	NOTE 3.
1AR5	1.4	AGFO-EDOO	1.0	E	E	A	S4	350	PENTODE SECTION. NOTE 3.
1AR5	1.4	AGOO-COOO	0.0	B	A	B	S1	4000	DIODE SECTION.
1AS5	1.4	AGFO-BCOO	1.0	E	E	A	S4	350	PENTODE SECTION. NOTE 3.
1AS5	1.4	AGOO-DOOO	0.0	B	A	B	S1	4000	DIODE SECTION.
1BG2	1.4	BGOO-DOOO	0.0	A	K	F	S2	1900	SET LOAD AT 33. READ ON 10000 SCALE. CONNECT FIL. LEADS TO PINS 2 & 7 OF OCTAL SOCKET. SINGLE LEAD = P.
1BQ2	1.4	BAOO-DOOO	0.0	A	E	E	S2	24000	CAP = P. SET LOAD ON O. READ ON 60000 SCALE.
1D13	1.4	GAOO-BOCO	0.0	B	A	B	S1	5000	
1C1	1.4	AGDO-COFB	1.0	E	A	A	S4	900	
1F2	1.4	AGFO-BCOO	1.0	E	E	A	S4	600	NOTE 3.
1F3	1.4	AGFO-BCOO	1.0	E	E	A	S4	550	NOTE 3.
1P10	2.5	GACO-BOOO	2.7	E	D	A	S4	500	
1M3	1.4	DEAO-GOOO	VARY	E	A	G	S4	----	NOTE 3. VARY BIAS TO VARY BAR LENGTH
1N3	1.4	DEAO-GOOO	VARY	E	A	G	S4	----	NOTE 3. VARY BIAS TO VARY BAR LENGTH
1P11	3.0	GAFO-BCOO	4.5	E	E	A	S4	1250	NOTE 3.
2B-H5	2.0	MKDO-BOHO	1.0	G	A	C	S4	6000	
2FY5	2.5	DCBO-EOAO	1.0	G	A	C	S4	8200	
2N-H11	2.0	MKDO-BOHO	1.0	G	A	C	S4	5500	
2N-H12	2.0	MKFO-AOGO	1.0	E	A	C	S4	7000	
3AJ8	3.0	DEBO-FACO	2.0	L	F	A	S4	1550	HEPTODE SECT.
3AJ8	3.0	DEJO-HOCO	1.0	F	A	B	S4	2000	TRIODE SECT.
3BH2	3.0	HAOO-DOOO	0.0	A	D	E	S2	12000	CAP = P. SET LOAD AT 30. READ ON 60000 SCALE. USE ADAPTER SA-8, 1050-168.
3BY7	3.0	DEBO-GHAJ	2.0	L	F	B	S4	3800	
3FY5	3.0	DCBO-EOAO	1.0	G	A	C	S4	8200	
3MP26	3.0	DCAO-EFBO	10.0	G	G	B	S4	2650	
4BL8	4.3	DEBO-FCGO	3.2	L	K	B	S4	3450	PENT. SECT.
4BL8	4.3	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECT.
4BN4	4.3	DCGO-EOFO	2.0	H	A	B	S4	4300	
4CM4	4.3	DEBO-AOCO	1.5	J	A	C	S4	8200	
4DL4	4.3	DECO-HOBO	1.2	H	A	C	S4	8450	
4ER5	3.0	DCBO-EOGF	1.2	K	A	C	S4	6500	
4FY5	4.3	DCBO-EOAO	1.0	G	A	C	S4	8200	
4GJ7	4.3	DEBO-FGAO	1.2	J	G	C	S4	6950	PENTODE SECTION.
4GJ7	4.3	DEJO-HOAO	3.0	F	A	B	S4	5700	TRIODE SECTION.
4GS7	4.3	DEJO-FGHO	1.2	J	H	C	S4	8000	PENTODE SECTION.
4GS7	4.3	DEAO-BOCO	3.0	F	A	B	S4	4400	TRIODE SECTION.
4HA5	4.3	DCAO-EOBF	1.5	H	A	C	S4	9400	
4HG8	4.3	DEBO-HJAO	1.5	J	H	C	S4	7500	PENT. SECT.
4HG8	4.3	DEFO-GOAO	3.0	F	A	B	S4	3750	TRIODE SECT.
4KN8	4.3	DEGB-FAHC	1.0	F	A	C	S4	10000	DUAL TRIODE. NOTE 5.
4MP12	4.3	DCAO-EFBO	6.0	J	J	B	S4	3450	
4MP26	4.3	DCAO-EFBO	10.0	G	G	B	S4	2650	
4R-HH2	4.3	DEGB-FAHC	2.0	H	A	B	S4	4000	DUAL TRIODE. NOTE 5.
4R-HH8	4.3	DEGB-FAHC	1.0	F	A	C	S4	10000	DUAL TRIODE. NOTE 5.
5GJ7	5.0	DEBO-FGAO	1.2	J	G	C	S4	6950	PENTODE SECTION.
5GJ7	5.0	DEJO-HOAO	3.0	F	A	B	S4	5700	TRIODE SECTION.
5GS7	5.0	DEJO-FGHO	1.2	J	H	C	S4	8000	PENTODE SECTION.
5GS7	5.0	DEAO-BOCO	3.0	F	A	B	S4	4400	TRIODE SECTION.
5HG8	5.0	DEBO-HJCO	1.5	J	H	C	S4	7500	PENTODE SECTION.
5HG8	5.0	DEFO-GOCO	3.0	F	A	B	S4	3800	TRIODE SECTION.
5MHH3	5.0	DCEF-BAGO	1.0	F	A	B	S4	4700	NOTE 5. DUAL TRIODE
5M-K9	5.0	DCOO-EOOO	0.0	A	E	G	S2	2400	SET LOAD AT 29.
5U9	6.3	EFCO-GHBD	1.4	H	F	C	S4	7500	READ ON 10000 SCALE.
5U9	6.3	EFKO-JOAO	3.0	F	A	B	S4	3000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
									TRIODE SECTION.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
5V9	5.0	EFCO-GDAB	1.0	B	B	A	S4	500	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177.
5V9	5.0	EFHO-KOJO	3.0	G	A	B	S4	3200	TRIODE SECTION.
5X9	6.3	EFCO-GHBD	1.5	H	G	C	S4	9000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
5X9	6.3	EFKO-JOAO	1.5	H	A	B	S4	3000	TRIODE SECTION.
6AB9	6.3	EFJO-GHKO	1.0	G	E	C	S4	6300	TETRODE NO. 1. USE ADAPTER SA-11, 1050-177.
6AB9	6.3	EFCO-ABDO	1.0	G	E	C	S4	6300	TETRODE NO. 2.
6AF9	6.3	EFHO-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177.
6AF9	6.3	EFAO-DCBO	3.0	H	H	C	S4	5300	PENTODE NO. 2.
6AG6	6.3	BGEO-CDHO	2.0	H	H	C	S4	5700	
6AJ8	6.3	DEBO-FACO	2.0	L	F	A	S4	1550	HEPTODE SECT.
6AJ8	6.3	DEJO-HOCG	1.0	F	A	B	S4	2000	TRIODE SECT.
6AK8	6.3	DEHO-JOGO	1.0	F	A	A	S4	900	TRIODE SECT.
6AK8	6.3	DEOO-FOGO	0.0	B	A	B	S1	5000	DIODE NO. 1
6AK8	6.3	DEOO-BACG	0.0	A	D	G	S2	2600	NOTE 5. DUAL DIODE. SET LOAD ON 13 READ ON 10000 SCALE
6AL3	6.3	DEOO-JOOO	0.0	A	D	G	S2	4700	SET LOAD ON 11. CAP = K. READ ON 10000 SCALE
6AM5	6.3	DCAO-EGBO	13.5	L	L	A	S4	1600	
6AM6	6.3	DCAO-EGBF	2.0	L	L	B	S4	4700	
6AQ4	6.3	DCFO-GOBO	1.5	L	A	B	S4	5300	
6AQ8	6.3	DEGB-FAHC	1.0	E	A	B	S4	2550	NOTE 5. DUAL TRIODE
6B-814	6.3	DEAO-OFEO	28.0	G	G	B	S4	2950	CAP=P. USE ADAPTER SA-8, 1050-168.
6BD7A	6.3	DEBO-AOCO	3.0	L	A	A	S4	750	TRIODE SECT.
6BD7A	6.3	DEOO-FHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
6BJ5	6.3	DCAO-EGBO	5.5	L	L	C	S4	6300	
6BK8	6.3	DEJO-FACH	2.0	L	H	A	S4	1250	
6BL8	6.3	DEBO-FCGO	3.2	L	K	B	S4	3450	PENT. SECT.
6BL8	6.3	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECT.
6BM8	6.3	DECO-FGBO	6.0	E	E	B	S4	4300	PENTODE SECTION.
6BM8	6.3	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECTION.
6BN5	6.3	DEAO-GJCH	9.4	K	K	B	S4	2000	
6BR3	6.3	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE
6BR5	6.3	DEAO-OJBO	VARY	L	L	D	S4	----	CONNECT A 500K RESISTOR BETWEEN 'P' AND PIN 7 OF ANY SOCKET. VARY BIAS TO VARY BEAM ANGLE.
6BR7	6.3	DEHO-GHCJ	3.0	L	F	A	S4	800	
6BS7	6.3	DEOO-GHCJ	3.0	L	F	A	S4	750	CAP = G
6BT4	6.3	HAOO-FBGO	0.0	A	E	G	S2	2500	NOTE 5. DUAL DIODE. SET LOAD AT 30 READ ON 10000 SCALE. USE ADAPTER SA-5, 1050-129.
6BW6	6.3	DEBO-GHCJ	8.5	J	J	B	S4	2300	
6BY7	6.3	DEBO-GHAJ	2.0	L	F	B	S4	3800	
6C12	6.3	DEBO-FACG	2.0	L	F	A	S4	1550	HEPTODE SECTION.
6C12	6.3	DEJO-HOCO	1.0	F	A	B	S4	2000	TRIODE SECTION.
6C18	6.3	DEGO-CBHO	2.0	G	G	B	S4	2700	PENTODE SECTION.
6C18	6.3	DEJO-AOHO	9.0	F	A	B	S4	1800	TRIODE SECTION.
6CD7	6.3	GBDO-EOHO	VARY	K	A	D	S4	----	CONNECT A 1 MEGOHM RESISTOR FROM 'P' TO PIN NO. 3 OF ANY SOCKET. CONNECT A SECOND 1 MEGOHM RESISTOR FROM 'P' TO PIN NO. 6 OF ANY SOCKET. EYE ONE CLOSSES AT BIAS OF ABOUT 5V. EYE TWO CLOSSES AT BIAS OF ABOUT 25V
6CF8	6.3	DEJO-FACH	2.0	L	H	A	S4	1250	
6CH6	6.3	DEBO-GHCJ	2.5	L	K	C	S4	8200	
6CJ5	6.3	AHFO-BEGO	5.0	L	F	A	S4	630	USE ADAPTER SA-5, 1050-129.
6CK5	6.3	AHFO-BEGO	7.0	L	L	C	S4	6300	USE ADAPTER SA-5, 1050-129.
6CM4	6.3	DEBO-AOCO	1.5	J	A	C	S4	8750	
6CM5	6.3	BGEO-ODHO	8.2	F	F	C	S4	8800	CAP = P
6CN6	6.3	BGEO-ODHA	7.0	H	H	B	S4	5000	CAP = P

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6CQ6	6.3	DEAO-EGBF	2.5	K	K	A	S4	1550	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.
6CT7	6.3	AHFO-BEGD	2.0	L	E	A	S4	1250	
6CT7	6.3	AHOO-COGO	0.0	B	A	B	S1	5000	DIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CU7	6.3	AHFO-BEGD	1.0	L	E	B	S4	1500	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
6CU7	6.3	AHOO-COGO	1.0	F	A	A	S4	1750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CV7	6.3	AHCO-BOGO	3.0	L	A	A	S4	750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6CV7	6.3	AHOO-FEGO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE. USE ADAPTER SA-5, 1050-129.
6CW5	6.3	DEBO-GJCO	12.5	J	J	C	S4	6300	
6CW7	6.3	DEFB-JCGA	1.5	F	A	B	S4	3750	NOTE 5. DUAL TRIODE
6DA5	6.3	EDAO-OJBO	2.0	L	L	G	S4	----	BEAM ANGLE = 60 DEGREES. CONNECT A 470 K OHM RESISTOR FROM P TO PIN 7 OF OCTAL SOCKET.
6DA5	6.3	EDAO-OJBO	20.0	L	L	G	S4	----	BEAM ANGLE = 0 DEGREES. CONNECT A 470 K OHM RESISTOR FROM P TO PIN 7 OF OCTAL SOCKET.
6DC8	6.3	DEBO-FACJ	2.0	L	F	B	S4	2400	PENT. SECT.
6DC8	6.3	DEOO-GHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
6DG7	6.3	DCAO-EFGB	1.0	L	F	B	S4	2500	
6DL4	6.3	DECO-HOBO	1.2	H	A	C	S4	8450	
6DL5	6.3	DCAO-EFBO	9.0	L	L	B	S4	3150	
6DR8	6.3	DEBO-FACJ	1.0	C	C	A	S4	700	PENT. SECT.
6DR8	6.3	DEOO-HGCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
6DS8	6.3	DEBO-FACG	1.0	C	C	A	S4	550	HEPTODE SECT.
6DS8	6.3	DEJO-HOCO	1.0	B	A	A	S4	900	TRIODE SECT.
6DX8	6.3	DEGO-FJGO	2.1	J	J	C	S4	6950	PENT. SECT.
6DX8	6.3	DEAO-BOCO	1.7	K	A	B	S4	2500	TRIODE SECT.
6EC4	6.3	DEOO-GOOO	0.0	A	A	E	S2	350	CAP = K. SET LOAD ON 5. READ ON 10000 SCALE. USE ADAPTER SA-8, 1050-168.
6ED4	6.3	DEOO-HOAO	0.0	B	A	C	S1	5000	CAP = G. READ ON 30000 SCALE. USE ADAPTER SA-8, 1050-168.
6ES6	6.3	DCAO-EFBG	1.0	C	A	A	S4	1200	
6ET6	6.3	DCAO-EFBG	1.0	C	A	A	S4	1300	
6F12	6.3	DCAO-EGBF	2.0	L	L	B	S4	4500	
6F13	6.3	AHFO-BEGD	1.8	K	K	B	S4	5650	USE ADAPTER SA-5, 1050-129.
6F14	6.3	AHFO-BEGD	1.3	L	G	C	S4	6700	USE ADAPTER SA-5, 1050-129.
6F16	6.3	AHFO-BEGO	2.5	L	F	A	S4	1450	USE ADAPTER SA-5, 1050-129.
6F19	6.3	DEBO-GHAJ	2.0	L	F	B	S4	3600	
6F21	6.3	DCAO-EGBF	2.5	L	K	A	S4	1550	
6F22	6.3	DEJO-FACH	2.0	L	H	A	S4	1250	
6F26	6.3	DEBO-GHAJ	2.0	L	F	B	S4	3800	
6F29	6.3	DEBO-GHCJ	2.0	K	F	C	S4	7850	
6F30	6.3	DEBO-GHCJ	2.5	K	K	C	S4	9500	
6F33	6.3	DCAO-EGBF	1.5	K	F	B	S4	2700	
6FC7	6.3	DEFB-JCHA	1.2	E	A	C	S4	7500	DUAL TRIODE. NOTE 5.
6FG6	6.3	DEAO-FOCO	1.0	L	L	D	S4	----	SPLIT BAR (JUMPER PINS 7 AND
6FG6	6.3	DEAO-FOCO	20.0	L	L	D	S4	----	SOLID BAR (9 OF ANY SOCKET - CONNECT A 470K OHM RESISTOR FROM THIS JUMPER TO PIN 6.
6FY5	6.3	DCBO-EDAO	1.0	G	A	C	S4	8200	
6G-A4	6.3	BGAO-COHO	---	L	A	B	S5	7500	SELF BIAS = 390 OHMS.
6GB5	6.3	DEBO-OGHO	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
6G-B8	6.3	GBEO-COHO	4.0	H	H	C	S4	11500	
6GJ7	6.3	DEBO-FGAO	1.2	J	G	C	S4	6950	PENT. SECT.
6GJ7	6.3	DEJO-HOAO	3.0	F	A	B	S4	5700	TRIODE SECT.
6GM8	6.3	DEGB-FAHC	1.2	B	A	A	S4	1630	NOTE 5. DUAL TRIODE
6GS7	6.3	DEJO-FGHO	1.2	J	H	C	S4	8000	PENTODE SECTION.
6GS7	6.3	DEAO-BOCO	3.0	F	A	B	S4	4400	TRIODE SECTION.
6GV7	6.3	DEGO-CBHO	2.0	G	C	B	S4	2700	PENTODE SECTION.
SEE NEXT PAGE FOR CONTINUATION									

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6GV7	6.3	DEJO-AOHO	9.0	F	A	B	S4	1800	TRIODE SECTION.
6GV8	6.3	DEJO-FGHO	15.0	J	J	B	S4	4700	PENT. SECT.
6GV8	6.3	DEBO-AOCO	1.0	F	A	B	S4	3450	TRIODE SECT.
6GW8	6.3	DEHO-FCGO	7.0	L	L	C	S4	6300	PENT. SECT.
6GW8	6.3	DEAO-JOHO	1.5	L	A	A	S4	1000	TRIODE SECT.
6GX8	6.3	DEHO-GOJC	---	K	A	D	--	----	SHORT OCTAL SOCKET PINS 1 & 6. CONNECT A 100K OHM RESISTOR BETWEEN PINS 7 & 1. VARY BIAS TO VARY PATTERN.
6GX8	6.3	DEOO-BOCO	0.0	B	A	B	S1	2000	DIODE.
6HG8	6.3	DEBO-HJAO	1.5	J	H	C	S4	7500	PENT. SECT.
6HG8	6.3	DEFO-GOAO	3.0	F	A	B	S4	3750	TRIODE SECT.
6HK8	6.3	DEGB-FAHC	1.0	F	A	C	S4	5000	DUAL TRIODE. NOTE 5.
6HU6	6.3	DEAO-FOCO	1.0	L	A	D	S4	----	SPLIT BAR (JUMPER NOVAL
6HU6	6.3	DEAO-FOCO	15.0	L	A	D	S4	----	SOLID BAR (SOCKET PINS 7 & 9. CONNECT A 100K OHM RESISTOR FROM THIS JUMPER TO PIN 6.
6HU8	6.3	DEFO-HJGO	2.0	L	L	B	S4	3900	PENT. NO. 1
6HU8	6.3	DEBO-CAGO	2.0	L	L	B	S4	3900	PENT. NO. 2
6JW8	6.3	DEBO-FCGO	1.0	F	F	B	S4	3450	PENTODE SECTION.
6JW8	6.3	DEJO-AOHO	2.0	K	A	B	S4	2500	TRIODE SECTION.
6JX8	6.3	DEBO-FGCA	1.0	H	B	A	S4	1400	HEPTODE SECT.
6JX8	6.3	DEJO-HOCO	1.0	D	A	B	S4	2350	TRIODE SECT.
6KG6	6.3	DEAO-OCJB	45.0	G	G	B	S4	3200	CAP=P. USE ADAPTER SA-8, 1050-168.
6KH8	6.3	DEBF-CJGO	9.0	L	L	B	S4	4000	PENTODE NO. 1.
6KH8	6.3	DEFB-HJGO	9.0	L	L	B	S4	4000	PENTODE NO. 2.
6KH8	6.3	DEBO-AOGO	9.0	F	A	A	S4	1600	TRIODE SECTION.
6KN8	6.3	DEGB-FAHC	1.0	F	A	C	S4	10000	DUAL TRIODE. NOTE 5.
6KW6	6.3	DEAO-FCGO	15.0	F	F	B	S4	2800	USE ADAPTER SA-8, 1050-168.
6L12	6.3	DEGB-FAHC	1.0	F	A	B	S4	2500	DUAL TRIODE. NOTE 5.
6L13	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	DUAL TRIODE. NOTE 5.
6LD3	6.3	AHCO-BOGO	3.0	L	A	A	S4	750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
6LD3	6.3	AHOO-FEGO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE. USE ADAPTER SA-5, 1050-129.
6LD12	6.3	DEHO-JOGO	1.0	F	A	A	S4	900	TRIODE SECTION.
6LD12	6.3	DEOO-FOGO	0.0	B	A	B	S1	5000	DIODE NO. 1.
6LD12	6.3	DEOO-BACG	0.0	A	D	G	S2	2600	DUAL DIODE. NOTE 5. SET LOAD ON 13 READ ON 10000 SCALE.
6LD13	6.3	DEBO-AOCO	3.0	L	A	A	S4	750	TRIODE SECTION.
6LD13	6.3	DEOO-FHCO	0.0	B	A	B	S1	5000	DUAL DIODE. NOTE 5.
6LF6	6.3	MAEO-OCRD	31.0	H	G	B	S4	3900	CAP = P.
6LN8	6.3	DEBO-FCGO	3.2	L	K	B	S4	3450	PENTODE SECTION.
6LN8	6.3	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECTION.
6LX8	6.3	DEBO-FCGO	1.0	F	F	B	S4	3450	PENTODE SECTION.
6LX8	6.3	DEJO-AOHO	2.0	K	A	B	S4	2500	TRIODE SECTION.
6M5	6.3	DEBO-GACO	---	H	H	B	S4	5000	SELF BIAS = 170 OHMS.
6MG8	6.3	DEHO-FCGO	2.0	H	H	B	S4	3300	PENTODE SECTION.
6MG8	6.3	DEJO-AOHO	10.0	H	A	C	S4	5000	TRIODE SECTION.
6M-HH3	6.3	DCEF-BAGO	1.0	F	A	B	S4	4700	DUAL TRIODE. NOTE 5.
6N3	6.3	DEOO-JOCO	0.0	A	D	G	S2	4100	SET LOAD AT 7. READ ON 10000 SCALE
6N-H10	6.3	MKOO-BOHO	14.0	F	A	B	S4	1700	
6N-L7	6.3	MKOO-BOHO	2.1	B	A	A	S4	1400	
6PL12	6.3	DECO-FGBO	6.0	E	E	B	S4	4300	PENTODE SECTION.
6PL12	6.3	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECTION.
6R3	6.3	DEOO-JOOO	0.0	A	D	G	S2	2600	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
6R-HH2	6.3	DEGB-FAHC	1.0	F	A	C	S4	5000	DUAL TRIODE. NOTE 5.
6R-HH8	6.3	DEGB-FAHC	1.0	F	A	C	S4	10000	DUAL TRIODE. NOTE 5.
6RK19	6.3	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE.
6R-PL5	6.3	DEAO-GJCO	8.0	L	L	C	S4	6900	
6RP22	6.3	DEHO-FCAG	3.0	L	H	B	S4	4700	
6S2A	6.3	OB00-0000	0.0	A	D	E	S2	22000	CAP = P. READ ON 60000 SCALE

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6U9	6.3	EFCO-GHBD	1.4	H	F	C	S4	7500	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
6U9	6.3	EFKO-JOAO	3.0	F	A	B	S4	3000	TRIODE SECTION.
6V9	6.3	EFCO-GDAB	1.0	B	B	A	S4	500	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177.
6V9	6.3	EFHO-KOJO	3.0	G	A	B	S4	3200	TRIODE SECTION.
6X9	6.3	EFCO-GHBD	1.5	H	G	C	S4	9000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
6X9	6.3	EFKO-JOAO	1.5	H	A	B	S4	3000	TRIODE SECTION.
6Y9	6.3	EFHO-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177.
6Y9	6.3	EFAO-DCBO	3.0	H	H	C	S4	5300	PENTODE NO. 2.
7AN7	7.5	DEFB-JCGA	1.5	J	A	B	S4	3750	NOTE 5. DUAL TRIODE
7D9	6.3	DCAO-EGBO	13.5	L	L	A	S4	1600	
7ES8	7.5	DEGB-FAHC	1.3	F	A	C	S4	8500	NOTE 5. DUAL TRIODE
7F16	6.3	AHFO-BEGO	5.0	L	F	A	S4	625	USE ADAPTER SA-5, 1050-129.
7FC7	7.5	DEFB-JCHA	1.2	E	A	C	S4	7500	DUAL TRIODE. NOTE 5.
7GS7	7.5	DEJO-FGHO	1.2	J	H	C	S4	8000	PENTODE SECTION.
7GS7	7.5	DEAO-BOCO	3.0	F	A	B	S4	4400	TRIODE SECTION.
7GV7	7.5	DEGO-CBHO	2.0	G	G	B	S4	2700	PENTODE SECTION.
7GV7	7.5	DEJO-AOHO	9.0	F	A	B	S4	1800	TRIODE SECTION.
7HG8	7.5	DEBO-HJAO	1.5	J	H	C	S4	7500	PENT. SECT.
7HG8	7.5	DEFO-GOAO	3.0	F	A	B	S4	3750	TRIODE SECT.
8A8	7.5	DEBO-FCGO	2.0	J	J	B	S4	4000	PENT. SECT.
8A8	7.5	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECT.
888	7.5	DECO-FGBO	6.0	F	F	B	S4	4300	PENT. SECT.
888	7.5	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECT.
8CW5	7.5	DEBO-GJCO	12.5	J	J	B	S4	6300	
8D3	7.5	DCAO-EGBF	2.0	L	L	B	S4	4800	
8D5	6.3	DEBO-GHCJ	3.0	L	F	A	S4	800	
8D6	6.3	DEBO-GHAJ	2.0	J	J	B	S4	4500	
8D7	6.3	DEOO-GHCJ	3.0	L	F	A	S4	750	CAP = G.
8D8	6.3	DEJO-FACH	2.0	L	H	A	S4	1250	
8DX8	7.5	DEGO-FJGO	2.1	J	J	C	S4	6950	PENT. SECT.
8DX8	7.5	DEAO-BOCO	1.7	K	A	B	S4	2500	TRIODE SECT.
8GJ7	7.5	DEBO-FGAD	1.2	J	G	C	S4	6950	PENTODE SECTION.
8GJ7	7.5	DEJO-HOAO	3.0	E	A	B	S4	5700	TRIODE SECTION.
8U9	7.5	EFCO-GHBD	1.4	H	F	C	S4	7500	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
8U9	7.5	EFKO-JOAO	3.0	F	A	B	S4	3000	TRIODE SECTION.
8X9	7.5	EFCO-GHBD	1.5	H	G	C	S4	9000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
8X9	7.5	EFKO-JOAO	1.5	H	A	B	S4	3000	TRIODE SECTION.
9A8	10.0	DEBO-FCGO	2.0	J	J	B	S4	4000	PENT. SECT.
9A8	10.0	DEJO-AOHO	2.0	F	A	B	S4	3100	TRIODE SECT.
9AB4	10.0	DCFO-AOGO	2.0	L	A	B	S4	3500	
9AK8	10.0	DEHO-JOGO	1.0	F	A	A	S4	900	TRIODE SECT.
9AK8	10.0	DEOO-FOGO	0.0	B	A	B	S1	5000	DIODE NO. 1
9AK8	10.0	DEOO-BACG	0.0	A	D	G	S2	2600	NOTE 5. DUAL DIODE. SET LOAD ON 13 READ ON 10000 SCALE
9AQ8	10.0	DEGB-FAHC	1.0	E	A	B	S4	2550	NOTE 5. DUAL TRIODE
9BR8	10.0	DEJO-FGHO	1.0	L	G	B	S4	3200	PENTODE SECTION.
9BR8	10.0	DEAO-BOCO	1.0	H	A	C	S4	5000	TRIODE SECTION.
9BW6	10.0	DEBO-GHCJ	8.5	J	J	B	S4	2300	
9CG8	10.0	DEJO-FGBO	1.0	G	G	B	S4	3500	PENT. SECT.
9CG8	10.0	DEAO-BOCO	1.0	G	A	B	S4	4100	TRIODE SECT.
9D6	10.0	DCAO-EGBF	2.5	K	K	A	S4	1600	
9ED4	7.5	DEOO-HOAO	0.0	B	A	C	S1	5000	CAP = G. USE ADAPTER SA-8, 1050-168. READ 0-3000 SCALE.
9GH8A	10.0	DEBO-FCGO	1.0	G	G	B	S4	4700	PENTODE SECTION.
9GH8A	10.0	DEJO-AOHO	1.0	G	A	C	S4	5300	TRIODE SECTION.
9GV8	10.0	DEJO-FGHO	15.0	J	J	B	S4	4700	PENT. SECT.
9GV8	10.0	DEBO-AOCO	1.0	F	A	B	S4	3500	TRIODE SECT.
9JW8	10.0	DEBO-FCGO	1.0	F	F	B	S4	3450	PENTODE SECTION.
SEE NEXT PAGE FOR CONTINUATION									

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
9JW8	10.0	DEJO-AOHO	2.0	K	A	H	S4	2500	TRIODE SECTION.
9V9	10.0	EFHO-GDAB	1.0	B	B	A	S4	500	HEPTODE SECTION.
9V9	10.0	EFHO-KOJO	3.0	G	A	B	S4	3200	USE ADAPTER SA-11, 1050-177. TRIODE SECTION.
10C14	20.0	DEBO-FACO	2.0	L	F	A	S4	1550	HEPTODE SECTION.
10C14	20.0	DEJO-HOCO	1.0	F	A	B	S4	2000	TRIODE SECTION.
10CW5	10.0	DEBO-GJCO	12.5	J	J	C	S4	6300	
10D2	20.0	DCOO-GBAE	0.0	A	D	G	S2	3300	DUAL DIODE. NOTE 5. SET LOAD ON 10 READ ON 10000 SCALE.
10DX8	10.0	DEGO-FJGO	2.1	J	J	C	S4	6950	PENTODE SECTION.
10DX8	10.0	DEAO-BOCO	1.7	K	A	B	S4	2500	TRIODE SECTION.
10FD12	20.0	DEBO-FACJ	2.0	L	F	B	S4	2400	PENTODE SECTION.
10FD12	20.0	DEOO-GHCO	0.0	B	A	B	S1	5000	DUAL DIODE. NOTE 5.
10GV8	10.0	DEJO-FGHO	15.0	J	J	B	S4	4700	PENTODE SECTION.
10GV8	10.0	DEBO-AOCO	1.0	F	A	B	S4	3450	TRIODE SECTION.
10LD3	12.6	AHCO-BOGO	3.0	L	A	A	S4	750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
10LD3	12.6	AHOO-FEGO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE. USE ADAPTER SA-5, 1050-129.
10LD12	25.0	DEHO-JOGO	1.0	F	A	A	S4	900	TRIODE SECT.
10LD12	25.0	DEOO-FOGO	0.0	B	A	B	S1	5000	DIODE NO. 1
10LD12	25.0	DEOO-BACG	0.0	A	D	G	S2	2600	NOTE 5. DUAL DIODE SET LOAD AT 13. READ ON 10000 SCALE.
10LD13	12.6	DEBO-AOCO	3.0	L	A	A	S4	750	TRIODE SECTION.
10LD13	12.6	DEOO-FHCO	0.0	B	A	B	S1	5000	DUAL DIODE. NOTE 5.
10LD14	25.0	DEGB-FAHC	1.0	E	A	B	S4	2550	DUAL TRIODE. NOTE 5.
10P18	50.0	DEBO-GJCO	12.5	J	J	C	S4	6300	
10PL12	50.0	DECO-FGBO	6.0	E	E	B	S4	4300	PENT. SECT.
10PL12	50.0	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECT.
11B8	10.0	DECO-FGBO	6.0	E	E	B	S4	4300	PENTODE SECTION.
11B8	10.0	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECTION.
11Y9	10.0	EFHO-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1.
11Y9	10.0	EFAO-DCBO	3.0	H	H	C	S4	5300	USE ADAPTER SA-11, 1050-177. PENTODE NO. 2.
12AC5	12.6	AHFO-BECO	5.0	L	F	A	S4	600	USE ADAPTER SA-5, 1050-129.
12AJ7	12.6	DEBO-FACG	2.0	K	G	A	S4	1500	HEPTODE SECT.
12AJ7	12.6	DEJO-HOCO	1.0	F	A	B	S4	2350	TRIODE SECT.
12B-814	12.6	DEAO-OFCO	28.0	G	G	B	S4	2950	CAP=P. USE ADAPTER SA-8, 1050-168.
12BR3	12.6	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 1000 SCALE.
12BX6	12.6	DEBO-GHAJ	2.0	J	J	B	S4	4500	
12DA6	12.6	DEBO-GHCJ	2.0	L	F	B	S4	2300	
12DW4A	12.6	DEUO-BOJO	0.0	A	E	G	S2	5500	SET LOAD AT 12. READ ON 10000 SCALE.
12F07	12.6	DEGB-FAHC	8.0	L	A	B	S4	1650	DUAL TRIODE. NOTE 5.
12GB3	12.6	BGEO-ODHO	7.7	F	F	C	S4	8800	CAP = P
12G-K17	12.6	GHOO-EOCO	0.0	A	J	G	S2	6000	SET LOAD AT 22. READ ON 10000 SCALE.
12HU8	12.6	DEFO-HJGO	2.0	L	L	B	S4	3900	PENT. NO. 1
12HU8	12.6	DEBO-CAGO	2.0	L	L	B	S4	3900	PENT. NO. 2
12RK19	12.6	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE.
12S7	12.6	AHFO-BEGD	2.0	L	E	A	S4	1250	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.
12S7	12.6	AHOO-COGO	0.0	B	A	B	S1	5000	DIODE SECTION.
13CM5	12.6	BGEO-ODHO	8.2	F	F	C	S4	8800	CAP = P
13D1	25.0	GHDA-EBFC	8.0	L	A	B	S4	1700	DUAL TRIODE. NOTE 5.
13D2	6.3	GHDA-EBFC	8.0	L	A	B	S4	1700	DUAL TRIODE. NOTE 5.
13GB5	12.6	DEBO-OGHO	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
14GW8	12.6	DEHO-FCGO	7.0	L	L	C	S4	6300	PENT. SECT.
14GW8	12.6	DEAO-JOBO	1.5	L	A	A	S4	1000	TRIODE SECT.
14K7	12.6	AHFO-BEGD	1.0	L	E	B	S4	1500	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
14K7	12.6	AHOO-COGO	1.0	F	A	A	S4	1750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
14L7	12.6	AHCO-BOGO	3.0	L	A	A	S4	750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
14L7	12.6	AHOO-FEGO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE. USE ADAPTER SA-5, 1050-129.
15CW5	12.6	DEBO-GJCO	12.5	J	J	C	S4	6000	
15DQ8	17.0	DEHO-FJGO	2.1	J	J	C	S4	6950	PENT. SECT.
15DQ8	17.0	DEAO-BOCO	1.7	K	A	B	S4	2500	TRIODE SECT.
15EW7	17.0	DEGO-FOHO	11.0	L	A	A	S4	1250	TRIODE NO. 1
15EW7	17.0	DEBO-AOJO	17.5	H	A	B	S4	4700	TRIODE NO. 2
16A5	17.0	DEBO-GJCO	10.4	J	J	C	S4	5800	
16A8	17.0	DECO-FGBO	16.0	K	K	B	S4	4000	PENT. SECT.
16A8	17.0	DEAO-JOHO	1.0	F	A	A	S4	1400	TRIODE SECT.
16AQ3	17.0	DEOO-JOOO	0.0	A	D	G	S2	3700	CAP = K. SET LOAD ON 11. READ ON 10000 SCALE.
16Y9	17.0	EFHO-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177.
16Y9	17.0	EFAO-DCBO	3.0	H	H	C	S4	5300	PENTODE NO. 2.
17A8	17.0	DEBO-FCGO	2.0	J	J	B	S4	3900	PENTODE SECTION.
17A8	17.0	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECTION.
17AB9	17.0	EFJO-GHKO	1.0	G	E	C	S4	6300	TETRODE NO. 1. USE ADAPTER SA-11, 1050-177.
17AB9	17.0	EFCO-ABDO	1.0	G	E	C	S4	6300	TETRODE NO. 2.
17B-814	17.0	DEAO-OFDO	28.0	G	G	B	S4	2950	CAP=P. USE ADAPTER SA-8, 1050-168.
17BR3	17.0	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE.
17C8	17.0	DEBO-FACJ	2.0	L	E	A	S4	1400	PENT. SECT.
17C8	17.0	DEOO-GHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
17DW4A	17.0	DEOO-BOJO	0.0	A	E	G	S2	5500	SET LOAD AT 12. READ ON 10000 SCALE.
17EW8	17.0	DEGB-FAHC	2.1	K	A	B	S4	3650	NOTE 5. DUAL TRIODE
17KW6	17.0	DEAO-FCGO	15.0	F	F	B	S4	2800	USE ADAPTER SA-8, 1050-168.
17RK19	17.0	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE.
17Z3	17.0	DEOO-JOOO	0.0	A	D	G	S2	2600	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
18GB5	17.0	DEBO-OGHO	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
18GV8	17.0	DEJO-FGHO	15.0	J	J	B	S4	4700	PENT. SECT.
18GV8	17.0	DEBO-AOCO	1.0	F	A	B	S4	3500	TRIODE SECT.
18J6	17.0	DCEF-BAGO	1.1	F	A	B	S4	3300	NOTE 5. DUAL TRIODE
19AJ8	20.0	DEBO-FACG	2.0	L	F	A	S4	1550	HEPTODE SECT.
19AJ8	20.0	DEJO-HOCO	1.0	F	A	B	S4	2000	TRIODE SECT.
19BR5	20.0	DEAO-OJBO	VARY	L	L	D	S4	----	CONNECT A 500K RESISTOR BETWEEN 'P' AND PIN NO. 7 OF ANY SOCKET. VARY BIAS TO VARY BEAM ANGLE.
19BX6	20.0	DEBO-GHAJ	2.0	J	J	B	S4	4500	
19BY7	20.0	DEBO-GHAJ	2.0	L	F	B	S4	3800	
19D8	20.0	DEBO-FACO	2.0	L	F	A	S4	1550	HEPTODE SECT.
19D8	20.0	DEJO-HOCO	1.0	F	A	B	S4	2000	TRIODE SECT.
19EW7	20.0	DEGO-FOHO	11.0	L	A	A	S4	1250	TRIODE NO. 1
19EW7	20.0	DEBO-AOJO	17.5	H	A	B	S4	4700	TRIODE NO. 2
19FL8	20.0	DEBO-FACJ	2.0	L	F	B	S4	2400	PENT. SECT.
19FL8	20.0	DEOO-GHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
19G3	4.3	BGOO-OODO	0.0	B	A	B	S1	5000	CAP = P
19KF6	20.0	DEGO-JFCB	29.0	G	G	B	S4	3800	USE ADAPTER SA-8, 1050-168.
20A3	6.3	DCAO-FOBE	---	A	F	F	S2	2000	SET LOAD AT 80. FIRES ABOUT 2 V. READ ON 3000 SCALE.
20AQ3	20.0	DEOO-JOOO	0.0	A	D	G	S2	4700	CAP = K. SET LOAD ON 11. READ ON 10000 SCALE.
20EW7	20.0	DEGO-FOHO	11.0	L	A	A	S4	1250	TRIODE NO. 1
20EW7	20.0	DEBO-AOJO	17.5	H	A	B	S4	4700	TRIODE NO. 2
21KQ6	20.0	DEHO-OFJG	20.0	H	G	C	S4	5900	CAP=P. USE ADAPTER SA-8, 1050-168.
23JS6A	25.0	MAEO-OCBO	25.0	J	G	C	S4	7100	CAP = P.
25B-814	25.0	DEAO-OFDO	28.0	G	B	B	S4	2950	CAP=P. USE ADAPTER SA-8, 1050-168.
25BR3	25.0	DEOO-JOOO	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
25E5	25.0	BGEO-ODHO	8.2	F	F	C	S4	8800	CAP = P
25RK19	25.0	DE00-J000	0.0	A	D	G	S2	4000	CAP = K. SET LOAD AT 10. READ ON 10000 SCALE.
26AQ8	25.0	DEGB-FAHC	1.0	E	A	B	S4	2550	NOTE 5. DUAL TRIODE
27GB5	25.0	DEBO-OGHO	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
27KG6	25.0	DEAO-OCJB	45.0	G	G	B	S4	3200	CAP=P. USE ADAPTER SA-8, 1050-168.
28AK8	25.0	DEHO-JOJO	1.0	F	A	A	S4	900	TRIODE SECT.
28AK8	25.0	DE00-FOGO	0.0	B	A	B	S1	5000	DIODE NO. 1
28AK8	25.0	DE00-BACG	0.0	A	D	G	S2	2600	NOTE 5. DUAL DIODE. SET LOAD ON 13 READ ON 10000 SCALE.
28EC4	25.0	DE00-G000	0.0	A	A	E	S2	350	CAP = K. SET LOAD AT 5. READ ON 10000 SCALE.
29KQ6	25.0	DEHO-OFJG	20.0	H	G	C	S4	5900	USE ADAPTER SA-8, 1050-168. CAP=P. USE ADAPTER SA-8, 1050-168.
30A5	35.0	DJ80-GFAO	6.7	F	F	B	S4	5850	BEFORE PLACING TUBE IN SOCKET JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 3 AND 9 OF THE 9 PIN MINIATURE SOCKET. THEN PROCEED WITH TEST.
30AE3	25.0	DE00-J000	0.0	A	D	G	S2	4700	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
30L1	7.5	DEFB-JCGA	1.5	F	A	B	S4	3750	NOTE 5. DUAL TRIODE.
31A3	35.0	AH00-B0G0	0.0	A	D	G	S2	3700	SET LOAD AT 10. READ ON 10000 SCALE. USE ADAPTER SA-5, 1050-129.
31AV3	35.0	DE00-JOCO	0.0	A	D	G	S2	3700	SET LOAD ON 10. READ ON 10000 SCALE.
32A8	35.0	DECO-FGB0	6.0	E	E	B	S4	4300	PENTODE SECTION.
32A8	35.0	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECTION.
34R3	35.0	DE00-J000	0.0	A	D	G	S2	2600	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
35D5	35.0	DEAO-FBCO	6.5	F	F	B	S4	5050	
38A3	35.0	DE00-JOCO	0.0	A	D	G	S2	3700	SET LOAD AT 10. READ ON 10000 SCALE.
40KG6	35.0	DEAO-OCJB	45.0	G	G	B	S4	3200	CAP=P. USE ADAPTER SA-8, 1050-168.
42EC4	50.0	DE00-G000	0.0	A	K	G	S2	6100	CAP = K. SET LOAD AT 30. READ ON 10000 SCALE. USE ADAPTER SA-8, 1050-168.
45A5	50.0	AHFO-BEGO	7.0	L	L	C	S4	6300	
45B5	50.0	DEBO-GJCO	12.5	J	J	C	S4	6300	
508M8	50.0	DECO-FGB0	6.0	E	E	B	S4	4300	PENTODE SECTION.
508M8	50.0	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECTION.
50E5	50.0	BGEO-ODHO	8.2	F	F	C	S4	8800	CAP = P.
50JY6	50.0	BGEO-ODHC	8.2	F	F	C	S4	8800	CAP = P.
85A1	OFF	0000-80HO	---	H	A	VR	S4	85V	NOTE 1. NOTE 2 = 110 V. REGULATION = 3 V. FROM 1 TO 8 MA.
85A2	OFF	0000-A080	---	H	A	VR	S4	85V	NOTE 1. NOTE 2 = 125 V. REGULATION = 3 V. FROM 1 TO 10 MA.
90C1	OFF	0000-E0G0	---	F	A	VR	S3	90V	NOTES 162. 110V. PRESS S4. REGULATION = 12V. FROM 1 TO 40MA
95A1	OFF	0000-E0A0	---	F	A	VR	S3	95V	CONNECT A 470K OHM RESISTOR BETWEEN PINS 1 AND 4 (ANY SOCKET). NOTES 162. 110V. PRESS S4. REGULATION = 5V. FROM 2 TO 10 MA.
108C1	OFF	0000-E080	---	G	A	VR	S4	108V	NOTE 1. NOTE 2 = 115 V. REGULATION = 2 V. FROM 5 TO 30 MA.
150B2	OFF	0000-A080	---	J	A	VR	S4	150V	NOTE 1. NOTE 2 = 160 V. REGULATION = 5 V. FROM 5 TO 15 MA.
150C2	OFF	0000-E080	---	J	A	VR	S4	150V	NOTE 1. NOTE 2 = 155 V. REGULATION = 2 V. FROM 5 TO 30 MA.
5920	6.3	DCEF-BAGO	1.8	F	A	B	S4	3800	
5894	12.6	AGFB-OCDO	12.0	L	J	C	S4	5000	RIGHT CAP = P. USE ADAPTER SA-6, 1050-107.
5894	12.6	AGBF-OCDO	12.0	L	J	C	S4	5000	LEFT CAP = P.
5911	0.6	CE00-AB00	0.0	C	C	A	S4	100	NOTE 3.
5913	1.1	CEDO-AB00	0.2	C	C	A	S4	250	NOTE 3.
6042	25.0	GHDA-EBFC	8.0	L	A	B	S4	1700	NOTE 5. DUAL TRIODE
									DUAL TRIODE. NOTE 5.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
6057	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	NOTE 5. DUAL TRIODE
6059	6.3	DEBO-GHCJ	3.0	L	F	A	S4	800	
6060	12.6	DEGB-FAHC	1.0	F	A	B	S4	2500	
6061	6.3	DEBO-GHCJ	8.5	J	J	B	S4	2300	
6063	6.3	DCOO-FAGO	0.0	A	E	G	S2	2400	NOTE 5. DUAL DIODE. SET AT 30 READ ON 10000 SCALE.
6065	6.3	DEAO-EGBF	2.5	L	K	A	S4	1500	TRIODE SECT. NOTE 5. DUAL DIODE
6066	6.3	DCAO-GOBO	3.0	L	A	A	S4	750	
6066	6.3	DCOO-FEBO	0.0	B	A	B	S1	5000	
6067	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	
6118	6.3	GBOO-COHA	3.0	L	A	A	S4	750	TRIODE SECT. CAP = C NOTE 5. DUAL DIODE
6118	6.3	GBOO-EDHA	0.0	B	A	B	S1	5000	
6132	6.3	DEBO-GHCJ	2.5	L	K	C	S4	8200	
6227	6.3	DEBO-GHCJ	1.0	K	K	B	S4	5700	
6252	12.6	AGFB-OCDO	10.0	K	K	B	S4	3800	TETRODE NO. 1. RIGHT CAP = P. USE ADAPTER SA-6, 1050-107.
6252	12.6	AG8F-OCDO	10.0	K	K	B	S4	3800	TETRODE NO. 2. LEFT CAP = P. USE ADAPTER SA-6, 1050-107.
6267	6.3	DEJO-FACH	2.0	L	H	A	S4	1250	SET LOAD AT 11. READ ON 10000 SCALE. NOTE 3.
6374	6.3	DEOO-KOCO	0.0	A	D	G	S2	2500	
6375	1.1	DEAO-HOOO	4.5	H	A	B	S4	2200	
6516	6.3	DCAO-EGBO	13.5	L	L	A	S4	1600	
6687	6.3	DCAO-EFBG	0.0	E	E	B	S4	1500	GRID NO. 1 GRID NO. 3 TETRODE NO. 1 (USE HICKOK RIGHT CAP = P (ADAPTER TETRODE NO. 2 (CODE NO. LEFT CAP = P (1050-107
6687	6.3	DCGO-EFBA	4.0	E	E	A	S4	1350	
6689	6.3	DEBO-FACJ	1.0	F	F	B	S4	5200	
6907	12.6	AGFB-OCDO	10.0	K	K	B	S4	3800	
6907	12.6	AG8F-OCDO	10.0	K	K	B	S4	3800	NOTE 5. DUAL TRIODE TETRODE NO. 1. TETRODE NO. 2. NOTE 5. DUAL TRIODE
6927	6.3	DCEF-BAGO	1.1	F	A	B	S4	3300	
6939	12.6	DECA-HGBO	3.5	K	H	C	S4	6500	
6939	12.6	DEAC-FGBO	3.5	K	H	C	S4	6500	
7062	12.6	DEGB-FAHC	1.9	H	A	B	S4	4000	CAP = P PENT. SECT. TRIODE SECT. TETRODE NO. 1. TETRODE NO. 2.
7320	6.3	DEBO-GJCO	7.2	L	L	C	S4	7000	
7534	6.3	BGEO-ODHO	15.5	L	H	C	S4	17400	
7643	6.3	DEBO-FCGO	3.2	L	K	B	S4	3450	
7643	6.3	DEJO-AOHO	2.0	F	A	B	S4	3150	TETRODE NO. 1. TETRODE NO. 2.
7645	12.6	DECA-HGBO	3.5	K	H	C	S4	6500	
7645	12.6	DEAC-FGBO	3.5	K	H	C	S4	6500	
7693	6.3	DCAO-EFBG	1.0	F	F	B	S4	2100	TETRODE NO. 1. TETRODE NO. 2. SELF BIAS = 90 OHMS.
7694	6.3	DCAO-EFBG	1.0	L	F	B	S4	2300	
7699	12.6	DECA-HGBO	3.5	K	H	C	S4	6500	
7699	12.6	DEAC-FGBO	3.5	K	H	C	S4	6500	
7721	6.3	DEBO-GJAH	---	J	H	C	S4	11500	SELF BIAS = 56 OHMS. RIGHT CAP = P. USE ADAPTER SA-6, 1050-107. LEFT CAP = P. USE ADAPTER SA-8, 1050-168.
7751	6.3	BGEO-CDHO	---	F	F	C	S4	7900	
7788	6.3	DEBO-GFAH	1.6	F	G	D	S4	31500	
7854	12.6	AGFB-OCDO	12.0	L	J	C	S4	5000	
7854	12.6	AG8F-OCDO	12.0	L	J	C	S4	5000	USE ADAPTER SA-8, 1050-168. TETRODE NO. 1. TETRODE NO. 2. SELF BIAS = 120 OHMS. DUAL TRIODE. NOTE 5.
8233	6.3	DEHO-ACJO	3.0	G	G	D	S4	28000	
8255	6.3	DECO-HOBO	1.2	H	A	C	S4	8450	
8278	6.3	DEKO-JHFO	10.0	G	G	C	S4	8800	
8348	1.4	DEAO-FGOC	10.0	H	H	A	S4	1750	TETRODE NO. 1. TETRODE NO. 2. SELF BIAS = 47 OHMS. SHUNTED WITH 1000 MFD. CAP. TETRODE NO. 1. USE ADAPTER SA-8, 1050-168. TETRODE NO. 2.
8348	1.4	DECO-HGOA	10.0	H	H	A	S4	1750	
8416	12.6	DEGB-FAHC	---	E	A	C	S4	8500	
8458	12.6	DECA-HGBO	10.0	J	H	B	S4	2100	
8458	12.6	DEAC-FGBO	10.0	J	H	B	S4	2100	TETRODE NO. 1. TETRODE NO. 2. SELF BIAS = 47 OHMS. SHUNTED WITH 1000 MFD. CAP. TETRODE NO. 1. USE ADAPTER SA-8, 1050-168. TETRODE NO. 2.
8556	6.3	DEAO-HOBO	---	G	A	C	S4	15000	
8637	12.6	EJAO-FGBO	7.0	H	H	B	S4	4400	
8637	12.6	EJCO-HGBO	7.0	H	H	B	S4	4400	

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
18042	20.0	DEBO-FACJ	2.0	K	G	C	S4	5500	SELF BIAS = 250 OHMS.
18043	6.3	DEBO-FACJ	1.0	F	F	B	S4	5200	
18045	20.0	DEBO-GHCJ	3.0	K	K	B	S4	6900	
18046	20.0	DEBO-GHCJ	3.0	K	K	B	S4	6900	
18048	20.0	AHFO-BDGC	---	K	H	B	S4	4100	
A2900	12.6	DEGB-FAHC	5.5	L	A	B	S4	1700	DUAL TRIODE. NOTE 5. TETRODE NO. 1. RIGHT CAP = P. USE ADAPTER SA-6, 1050-107. TETRODE NO. 2. LEFT CAP = P. USE ADAPTER SA-6, 1050-107. TETRODE NO. 1. RIGHT CAP = P. USE ADAPTER SA-6, 1050-107. TETRODE NO. 2. LEFT CAP=P
AX9903	12.6	AGFB-OCDO	12.0	L	J	C	S4	5000	
AX9903	12.6	AGBF-OCDO	12.0	L	J	C	S4	5000	
AX9910	12.6	AGFB-OCDO	10.0	K	K	B	S4	3800	
AX9910	12.6	AGBF-OCDO	10.0	K	K	B	S4	3800	
AZ41	4.3	GH00-F000	0.0	A	E	G	S2	2900	DIODE NO. 1. SET LOAD ON 22. READ ON 10000 SCALE. DIODE NO. 2. SET LOAD AT 22. READ ON 10000 SCALE. USE ADAPTER SA-5, 1050-129. NOTE 5. DUAL TRIODE NOTE 5. DUAL TRIODE DUAL TRIODE. NOTE 5.
AZ41	4.3	GH00-B000	0.0	A	E	G	S2	2900	
836	12.6	GHDA-EBFC	8.0	L	A	B	S4	1700	
865	6.3	GHDA-EBFC	8.0	L	A	B	S4	1700	
8109	25.0	DEGB-FAHC	1.0	E	A	B	S4	2550	
8152	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5.
8309	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	
8319	7.5	DEFB-JCGA	1.5	J	A	B	S4	3750	
8329	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	
8339	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	
8719	6.3	DEGB-FAHC	1.0	F	A	B	S4	2500	DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5. DUAL TRIODE. NOTE 5.
BPM04	6.3	DCGO-EFBO	8.5	J	J	B	S4	2300	
CCA	6.3	DEGB-FAHC	---	E	A	C	S4	8500	
C3G	6.3	AHFO-CDGO	1.8	K	H	C	S4	8900	
C3M	20.0	AHFQ-BDGC	---	K	H	B	S4	4100	
D3A	6.3	DEBO-GJAH	---	J	H	C	S4	11500	DUAL DIODE. NOTE 5. SET LOAD AT 22 READ ON 10000 SCALE NOTE 5. DUAL DIODE. SET LOAD AT 10 READ ON 10000 SCALE. NOTE 5. DUAL DIODE. SET LOAD AT 10 READ ON 10000 SCALE.
D63	6.3	GB00-ECHO	0.0	A	B	E	S2	4200	
D77	6.3	DC00-GBAE	0.0	A	D	G	S2	3300	
D152	6.3	DC00-GBAE	0.0	A	D	G	S2	3300	
DA90	1.4	GA00-B0C0	0.0	B	A	B	S1	5000	
DAF91	1.4	AGFO-ED00	1.0	E	E	A	S4	400	NOTE 3. PENT. SECT. DIODE SECT. NOTE 3. PENT. SECT. DIODE SECT. NOTE 3.
DAF91	1.4	AG00-C000	0.0	B	A	B	S1	6200	
DAF92	1.4	AGFO-BC00	1.0	E	E	A	S4	400	
DAF92	1.4	AG00-D000	0.0	B	A	B	S1	6200	
DC70	1.1	DEAO-H000	4.5	H	A	B	S4	2200	
DC90	1.4	AGE0-B000	3.0	F	A	A	S4	750	NOTE 3. NOTE 3. TRIODE NO. 1 NOTE 3. TRIODE NO. 2 PENTODE SECTION. NOTES 3 & 4.
DCC90	3.0	AGE0-F000	2.5	E	A	A	S4	1100	
DCC90	3.0	AGC0-B000	2.5	E	A	A	S4	1100	
DDR7	6.3	COAO-EG80	13.5	L	L	B	S4	1600	
DCF60	1.1	DGCO-ABEF	0.0	D	D	A	S4	550	
DCF60	1.1	DGEB-FOCA	3.0	D	A	A	S4	200	TRIODE SECTION. NOTES 3 & 4. DUAL DIODE. NOTE 5. SET LOAD AT 10 READ ON 10000 SCALE NOTE 3. CAP = G NOTE 3. NOTE 3.
DD6	6.3	DC00-GBAE	0.0	A	D	G	S2	3300	
DF33	1.4	GB00-CD00	1.0	F	F	A	S4	450	
DF61	1.1	CE00-AB00	1.0	E	E	A	S4	600	
DF62	1.1	CE00-AB00	1.0	D	D	A	S4	1250	
DF67	0.6	CE00-AB00	1.15	C	C	A	S4	60	NOTE 3. NOTE 3. NOTE 3. NOTE 3. NOTE 3.
DF91	1.4	AGFO-BC00	1.0	F	E	A	S4	550	
DF92	1.4	AGFO-BC00	1.0	F	E	A	S4	630	
DF96	1.4	AGFO-BC00	1.0	E	E	A	S4	530	
DF904	1.4	AGFO-BC00	1.0	F	F	A	S4	550	
DH63	6.3	GB00-COHA	3.0	L	A	A	S4	750	TRIODE SECT. CAP = G NOTE 5. DUAL DIODE TRIODE SECT. NOTE 5. DUAL DIODE
DH63	6.3	GB00-EDHC	0.0	B	A	B	S1	5000	
DH77	6.3	OCAO-G0B0	3.0	L	A	A	S4	750	
DH77	6.3	DC00-EFBO	0.0	B	A	B	S1	5000	

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
DK91	1.4	GAFO-BCOD	0.0	E	C	A	S4	300	NOTE 4. PENT. SECT. NOTE 3.
DK91	1.4	GADO-CBOF	0.0	D	D	A	S4	500	NOTE 4. OSC. SECT. NOTE 3.
DL33	2.5	GBEO-CDOO	6.6	F	F	A	S4	1250	NOTE 3.
DL35	1.4	GBEO-CDOO	7.0	E	E	A	S4	950	NOTE 3.
DL36	1.4	GBEO-CDOO	5.0	E	E	A	S4	1200	NOTE 3.
DL63	6.3	GBOO-COHA	9.0	L	A	A	S4	1200	TRIODE SECT. CAP = (
DL63	6.3	GBOO-EDHC	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
DL66	1.1	CEDO-ABOO	1.4	C	C	A	S4	200	NOTE 3.
DL67	1.1	CEDO-ABOO	1.0	C	C	A	S4	200	NOTE 3.
DL91	1.4	AGCO-FDOO	4.5	D	D	A	S4	750	NOTE 3.
DL92	2.5	GACO-BDOO	2.7	E	D	A	S4	500	NOTE 3.
DL93	2.5	AGDO-FCOO	8.4	H	E	A	S4	1200	NOTE 3.
DL94	3.0	GAFO-BCDO	4.5	E	E	A	S4	1250	NOTE 3.
DL95	3.0	GACO-FDOO	4.5	E	E	A	S4	1250	NOTE 3.
DL96	3.0	AGFO-BCDO	5.2	E	E	A	S4	850	NOTE 3.
DL98	2.5	DECO-GAOD	25.0	K	H	A	S4	1150	NOTE 3.
DM70	1.4	DEAO-GOOD	VARY	E	A	G	S4	----	NOTE 3.
DM71	1.4	DEAO-GOOD	VARY	E	A	G	S4	----	VARY BIAS TO VARY BAR LENGTH NOTE 3. VARY BIAS TO VARY BAR LENGTH
DP61	6.3	DCAO-EFGO	1.8	J	G	B	S4	3200	
DX296	12.6	EJAO-FGBD	7.0	H	H	B	S4	4400	TETRODE NO. 1. USE ADAPTER SA-8, 1050-168.
DX296	12.6	EJCO-HGBD	7.0	H	H	B	S4	4400	TETRODE NO. 2.
DY30	1.1	GBOO-OODO	0.0	A	E	E	S2	10000	CAP = P. READ ON 60000 SCALE
DY51	1.4	BGOO-OODO	0.0	A	K	F	S2	1900	SET LOAD AT 33. READ ON 10000 SCALE. CONNECT FIL. LEADS TO PINS 2 & 7 OF OCTAL SOCKET. SINGLE LEAD = P.
DY80	1.1	ABOO-OODO	0.0	A	E	E	S2	10000	CAP = P. SET LOAD AT 0. READ ON 60000 SCALE.
DY85	1.4	DBOO-OODO	0.0	A	D	E	S2	22000	CAP = P. READ ON 60000 SCALE
DY87	1.4	DBOO-OODO	0.0	A	D	E	S2	22000	CAP = P. READ ON 60000 SCALE
DY802	1.4	BAOO-OODO	0.0	A	E	E	S2	24000	CAP = P. SET LOAD AT 0. READ ON 60000 SCALE.
E55L	6.3	DEHO-ACJO	3.0	G	G	D	S4	28000	USE ADAPTER SA-8, 1050-168.
E80CC	12.6	DEGB-FAHC	5.5	L	A	B	S4	1700	NOTE 5. DUAL TRIODE
E80CF	6.3	DEBO-FCGO	3.2	L	K	B	S4	3450	PENT. SECT.
E80CF	6.3	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECT.
E80F	6.3	DEJO-FACH	2.0	L	F	A	S4	1150	
E80L	6.3	DEBO-GHCJ	2.5	K	K	B	S4	5700	
E81CC	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	NOTE 5. DUAL TRIODE
E81OF	6.3	DEBO-GFAH	1.2	G	H	D	S4	31500	
E81L	6.3	DEBO-GHCJ	2.0	K	K	C	S4	7200	
E82CC	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	NOTE 5. DUAL TRIODE
E83CC	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	NOTE 5. DUAL TRIODE
E83F	6.3	DEBO-FACJ	1.0	F	F	B	S4	5200	
E84L	6.3	DEBO-GJCO	7.2	L	L	C	S4	7000	
E86C	6.3	DEBO-AOCO	1.5	J	A	C	S4	8750	
E88C	6.3	DECO-HOBO	1.2	H	A	C	S4	8450	
E88CC	6.3	DEGB-FAHC	1.2	F	A	C	S4	7850	NOTE 5. DUAL TRIODE
E90CC	6.3	DCEF-BAGO	1.8	F	A	B	S4	3800	NOTE 5. DUAL TRIODE
E90F	6.3	DCAO-EFBG	1.0	F	F	B	S4	2100	
E91AA	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	NOTE 5. DUAL DIODE. SET LOAD AT 11 READ ON 10000 SCALE.
E91H	6.3	DCAO-EFBG	0.0	E	E	B	S4	1500	GRID NO. 1
E91H	6.3	DCGO-EFBA	4.0	E	E	A	S4	1350	GRID NO. 3
E91N	6.3	DCAO-FOBE	---	A	F	G	S2	2400	NOTE 6. SET LOAD TO 30. FIRES ABOUT 2V. READ ON 10000 SCALE
E92CC	6.3	DCFE-ABGO	1.7	H	A	B	S4	3750	NOTE 5. DUAL TRIODE
E95F	6.3	DCAO-EFGO	1.8	J	G	B	S4	3200	
E99F	6.3	DCAO-EFBG	1.0	L	F	B	S4	2300	
E130I	6.3	BGEO-ODHO	14.0	H	F	C	S4	8800	CAP = P
E180CC	12.6	DEGB-FAHC	1.9	H	A	B	S4	4000	NOTE 5. DUAL TRIODE

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
E180F	6.3	DEBO-GJAH	---	J	H	C	S4	9700	SELF BIAS = 100 OHMS. NOTE 5. DUAL TRIODE
E182CC	12.6	DEGB-JAFC	2.0	G	A	C	S4	10000	
E182F	6.3	CJAO-FH00	1.9	H	H	C	S4	8000	SELF BIAS = 100 OHMS. NOTE 5. DUAL TRIODE
E186F	6.3	DEBO-GJAH	---	J	H	C	S4	10000	
E188CC	6.3	DEGB-FAHC	---	F	A	C	S4	7250	
E235L	6.3	BGEO-CDHO	---	F	F	C	S4	7900	SELF BIAS = 56 OHMS. TRIODE NO. 1.
E283CC	6.3	DEJO-HOAG	1.0	G	A	A	S4	1000	
E283CC	6.3	DEBO-COFG	1.0	G	A	A	S4	1000	TRIODE NO. 2.
E2134	6.3	DCAO-EGBO	7.8	J	J	B	S4	6000	
EA91	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	NOTE 5. DUAL DIODE. SET LOAD AT 10 READ ON 10000 SCALE.
EA901	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	
EA901S	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	DUAL DIODE. NOTE 5. SET LOAD AT 10. READ ON 10000 SCALE.
EA901S	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	
EA8C80	6.3	DEHO-JOGO	1.0	F	A	A	S4	900	TRIODE SECT. DIODE NO. 1
EA8C80	6.3	DEEO-FOGO	0.0	B	A	B	S1	5000	
EA8C80	6.3	DEEO-BACG	0.0	A	D	G	S2	2600	
EAF42	6.3	AHFO-BEGD	2.0	L	E	A	S4	1250	NOTE 5. DUAL DIODE. SET LOAD ON 13 READ ON 10000 SCALE.
EAF42	6.3	AHOO-COGO	0.0	B	A	B	S1	5000	
EAM86	6.3	DEHO-GOJC	---	K	A	D	S4	----	BIAS = VARY. SHORT OCTAL TEST SOCKET PINS 1 & 6. CONNECT A 100 K OHM RESISTOR BETWEEN PINS 7 & 1.
EB41	6.3	AHOO-FEGC	0.0	A	D	G	S2	3300	
EB91	6.3	DCOO-BGEA	0.0	A	D	G	S2	3300	VARY BIAS TO VARY PATTERN. NOTE 5. DUAL DIODE. SET LOAD ON 10 READ ON 10000 SCALE.
EB91	6.3	DCOO-BGEA	0.0	A	D	G	S2	3300	
EBC33	6.3	AHCO-BOGO	6.0	L	A	A	S4	1250	USE HICKOK ADAPTER 1050-129 USE ADAPTER SA-5, 1050-129.
EBC33	6.3	AHOO-FEGO	0.0	B	A	B	S1	5000	
EBC41	6.3	AHCO-BOGO	3.0	L	A	A	S4	750	NOTE 5. DUAL DIODE. SET LOAD ON 10 READ ON 10000 SCALE.
EBC41	6.3	AHOO-FEGO	0.0	B	A	B	S1	5000	
EBC81	6.3	DEBO-AOCO	3.0	L	A	A	S4	750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
EBC81	6.3	DEEO-FHCO	0.0	B	A	B	S1	5000	
EBC90	6.3	DCAO-GOBO	3.0	L	A	A	S4	750	NOTE 5. DUAL DIODE. USE ADAPTER SA-5, 1050-129.
EBC90	6.3	DCAO-GOBO	3.0	L	A	A	S4	750	
EBC90	6.3	DCOO-FEBO	0.0	B	A	B	S1	5000	TRIODE SECT.
EBC91	6.3	DCAO-GOBO	2.0	L	A	A	S4	1000	
EBC91	6.3	DCOO-EFBO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
EBF32	6.3	BGOO-CFHO	3.0	L	G	A	S4	750	
EBF32	6.3	BGOO-EDHO	0.0	B	A	B	S1	5000	PENT. SECT. CAP = G NOTE 5. DUAL DIODE
EBF32	6.3	BGOO-EDHO	0.0	B	A	B	S1	5000	
EBF80	6.3	DEBO-FACJ	2.0	L	E	A	S4	1400	PENT. SECT.
EBF80	6.3	DEEO-GHCO	0.0	B	A	B	S1	5000	
EBF83	6.3	DEBO-FACJ	1.0	C	C	A	S4	700	NOTE 5. DUAL DIODE
EBF83	6.3	DEEO-HGCO	0.0	B	A	B	S1	5000	
EBF89	6.3	DEBO-FACJ	2.0	L	F	B	S4	2400	PENT. SECT.
EBF89	6.3	DEBO-FACJ	2.0	L	F	B	S4	2400	
EBF89	6.3	DEEO-HGCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
EC71	6.3	CFAO-HOEG	1.2	F	A	B	S4	3600	
EC80	6.3	DEBO-JOCO	1.5	L	A	C	S4	7600	NOTE 5. DUAL DIODE
EC81	6.3	DEAO-HOCO	2.0	G	A	B	S4	2500	
EC86	6.3	DEBO-AOCO	1.5	J	A	C	S4	8700	NOTE 5. DUAL DIODE
EC86	6.3	DEBO-AOCO	1.5	J	A	C	S4	8700	
EC88	6.3	DECO-HOBO	1.2	H	A	C	S4	8450	NOTE 5. DUAL DIODE
EC90	6.3	DCFO-EOGO	8.5	L	A	A	S4	1400	
EC91	6.3	DCFO-GOBO	1.5	L	A	B	S4	5300	NOTE 5. DUAL DIODE
EC92	6.3	DCFO-AOGO	1.5	F	A	B	S4	3400	
EC93	6.3	DCFO-GOEO	2.6	E	A	B	S4	4100	NOTE 5. DUAL DIODE
EC93	6.3	DCFO-GOEO	2.6	E	A	B	S4	4100	
EC95	6.3	CDBO-EOGF	1.2	K	A	C	S4	6500	NOTE 5. DUAL DIODE
EC95	6.3	CDBO-EOGF	1.2	K	A	C	S4	6500	

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EC97	6.3	DCBO-EOAO	1.0	G	A	C	S4	8200	SELF BIAS = 47 OHMS. SHUNTED WITH 1000 MFD. CAP.
EC806S	6.3	DEBO-AOCO	1.5	J	A	C	S4	8700	
EC900	6.3	DCAO-EQBF	1.5	H	A	C	S4	9400	
EC8010	6.3	DEAO-HOBO	---	G	A	C	S4	15000	
ECC33	6.3	HGAD-BECF	4.0	L	A	B	S4	2550	NOTE 5. DUAL TRIODE
ECC35	6.3	GHDA-EBFC	2.0	L	A	A	S4	1000	DUAL TRIODE. NOTE 5.
ECC40	6.3	HAFC-EBDG	5.6	L	A	B	S4	1800	NOTE 5. DUAL TRIODE. USE ADAPTER SA-5, 1050-129.
ECC81	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	NOTE 5. DUAL TRIODE
ECC82	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	NOTE 5. DUAL TRIODE
ECC83	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	NOTE 5. DUAL TRIODE
ECC84	6.3	DEFB-JCGA	1.5	F	A	B	S4	3750	NOTE 5. DUAL TRIODE
ECC85	6.3	DEGB-FAHC	1.0	F	A	B	S4	2500	NOTE 5. DUAL TRIODE
ECC86	6.3	DEGB-FAHC	1.2	B	A	A	S4	1630	NOTE 5. DUAL TRIODE
ECC88	6.3	DEGB-FAHC	1.2	F	A	C	S4	7850	NOTE 5. DUAL TRIODE
ECC89	6.3	DEFB-JCHA	1.2	E	A	C	S4	7500	DUAL TRIODE. NOTE 5.
ECC91	6.3	DCEF-BAGO	1.1	F	A	B	S4	3300	NOTE 5. DUAL TRIODE
ECC180	6.3	DEGB-FAHC	2.0	H	A	B	S4	4000	DUAL TRIODE. NOTE 5.
ECC186	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	NOTE 5. DUAL TRIODE
ECC189	6.3	DEGB-FAHC	1.3	F	A	C	S4	8400	NOTE 5. DUAL TRIODE
ECC230	7.5	GHDA-EBFC	40.0	G	A	B	S4	4200	NOTE 5. DUAL TRIODE
ECC801	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	DUAL TRIODE. NOTE 5.
ECC801S	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	NOTE 5. DUAL TRIODE
ECC802	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	DUAL TRIODE. NOTE 5.
ECC802S	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	NOTE 5. DUAL TRIODE
ECC803	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	DUAL TRIODE. NOTE 5.
ECC803S	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	DUAL TRIODE. NOTE 5.
ECC960	6.3	DCEF-BAGO	1.8	F	A	B	S4	3750	NOTE 5. DUAL TRIODE
ECC962	6.3	DCEF-ABGO	1.7	H	A	B	S4	3750	DUAL TRIODE. NOTE 5.
ECC2000	6.3	EFHO-GOJA	2.0	F	A	C	S4	9500	TRIODE NO. 1. USE ADAPTER SA-11, 1050-177.
ECC2000	6.3	EFKO-KOBA	2.0	F	A	C	S4	9500	TRIODE NO. 2.
ECF80	6.3	DEBO-FCGO	3.2	L	K	B	S4	3450	PENT. SECT.
ECF80	6.3	DEJO-ADHO	2.0	F	A	B	S4	3150	TRIODE SECT.
ECF82	6.3	DEBO-FCGO	1.0	G	F	B	S4	3100	PENT. SECT.
ECF82	6.3	DEJO-ADHO	1.0	G	A	B	S4	4700	TRIODE SECT.
ECF83	6.3	DEJO-FGHO	2.3	D	D	A	S4	820	PENT. SECT.
ECF83	6.3	DEBO-CDAO	3.7	E	A	B	S4	2300	TRIODE SECT.
ECF86	6.3	DEBO-HJAO	1.5	J	H	C	S4	7500	PENT. SECT.
ECF86	6.3	DEFO-GDAO	3.0	F	A	B	S4	3750	TRIODE SECT.
ECF200	6.3	EFKO-GHBD	1.5	H	G	C	S4	9000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
ECF200	6.3	EFKO-JOAO	1.5	H	A	B	S4	3000	TRIODE SECTION.
ECF201	6.3	EFKO-GHBD	1.4	H	F	C	S4	7500	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
ECF201	6.3	EFKO-JOAO	3.0	F	A	B	S4	3000	TRIODE SECTION.
ECF801	6.3	DEBO-FCGO	1.2	J	G	C	S4	6950	PENT. SECT.
ECF801	6.3	DEJO-HOAO	3.0	F	A	B	S4	5700	TRIODE SECT.
ECF802	6.3	DEBO-FCGO	1.0	F	F	B	S4	3450	PENTODE SECTION.
ECF802	6.3	DEJO-ADHO	2.0	K	A	B	S4	2500	TRIODE SECTION.
ECF804	6.3	DEBO-FCGO	2.0	H	H	C	S4	6900	PENT. SECT.
ECF804	6.3	DEJO-ADHO	1.5	H	A	B	S4	4500	TRIODE SECT.
ECF805	6.3	DEGO-CBHO	2.0	G	G	B	S4	2700	PENTODE SECTION.
ECF805	6.3	DEJO-ADHO	9.0	F	A	B	S4	1800	TRIODE SECTION.
ECH35	6.3	BGOO-CDHE	1.0	M	G	B	S4	2200	HEXODE SECT. CAP = G
ECH35	6.3	BGEO-FOHO	1.3	H	A	B	S4	2100	TRIODE SECT.
ECH42	6.3	AHFO-BEGD	1.0	L	E	B	S4	1500	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
ECH42	6.3	AHDO-COGO	1.0	F	A	B	S4	1750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
ECH81	6.3	DEBO-FACG	2.0	L	F	A	S4	1550	HEPTODE SECT.
ECH81	6.3	DEJO-HOCO	1.0	F	A	B	S4	2000	TRIODE SECT.
ECH83	6.3	DEBO-FACG	1.0	C	C	A	S4	550	HEPTODE SECT.
SEE NEXT PAGE FOR CONTINUATION									

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
ECH83	6.3	DEJO-HOCO	1.0	B	A	A	S4	900	TRIODE SECT.
ECH84	6.3	DEBO-FGCA	1.0	H	B	A	S4	450	HEPTODE SECT.
ECH84	6.3	DEJO-HOCO	1.0	D	A	A	S4	1350	TRIODE SECT.
ECH200	6.3	EFCO-GDAB	1.0	B	B	A	S4	500	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177.
ECH200	6.3	EFHO-KOJO	3.0	G	A	B	S4	3200	TRIODE SECTION.
ECL80	6.3	DEJO-FHCG	6.7	J	J	B	S4	2100	PENT. SECT.
ECL80	6.3	DEBO-AOCO	2.0	F	A	A	S4	850	TRIODE SECT.
ECL82	6.3	DECO-FGBU	6.0	F	E	B	S4	4300	PENT. SECT.
ECL82	6.3	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECT.
ECL83	6.3	DEJO-FHGO	9.5	J	J	B	S4	1300	PENTODE SECTION.
ECL83	6.3	DEBO-AOCO	1.5	J	A	B	S4	800	TRIODE SECTION.
ECL84	6.3	DEHO-FJGO	2.1	J	J	C	S4	6950	PENT. SECT.
ECL84	6.3	DEAO-BOCO	1.7	K	A	B	S4	2500	TRIODE SECT.
ECL85	6.3	DEJO-FGHO	15.0	J	J	B	S4	4700	PENT. SECT.
ECL85	6.3	DEBO-AOCO	1.0	F	A	B	S4	3450	TRIODE SECT.
ECL86	6.3	DEHO-FCGO	7.0	L	L	C	S4	6300	PENT. SECT.
ECL86	6.3	DEAO-JOHO	1.5	L	A	A	S4	1000	TRIODE SECT.
ECLL800	6.3	DEBF-CJGO	9.0	L	L	H	S4	4000	PENTODE NO. 1.
ECLL800	6.3	DEFB-HJGO	9.0	L	L	B	S4	4000	PENTODE NO. 2.
ECLL800	6.3	DEBO-ADGO	9.0	F	A	A	S4	1600	TRIODE SECTION.
ED500	6.3	DEOO-HOAO	0.0	B	A	C	S1	5000	CAP = G. READ ON 3000 SCALE. USE ADAPTER SA-8, 1050-168.
EF22	6.3	HAFO-BCGD	2.0	L	F	B	S4	2800	
EF40	6.3	HAEO-BFGD	2.0	L	H	A	S4	1150	USE ADAPTER SA-5, 1050-129.
EF41	6.3	AHFO-BEGO	5.0	L	F	A	S4	630	USE ADAPTER SA-5, 1050-129.
EF42	6.3	AHFO-BEGO	2.0	L	L	B	S4	5700	USE ADAPTER SA-5, 1050-129.
EF80	6.3	DEBO-GHAJ	2.0	J	J	B	S4	4500	
EF85	6.3	DEBO-GHAJ	2.0	L	F	B	S4	3800	
EF86	6.3	DEJO-FACH	2.0	L	H	A	S4	1260	
EF89	6.3	DEBO-GHCJ	2.0	L	F	B	S4	2300	
EF91	6.3	DCAO-EGBF	2.0	L	L	B	S4	4800	
EF92	6.3	DCAO-EGBF	2.5	L	K	A	S4	1500	
EF93	6.3	DCAO-EFGB	1.0	F	F	A	S4	1900	
EF94	6.3	DCAO-EFGB	1.0	L	G	B	S4	2800	
EF95	6.3	DCAO-EFGO	2.0	J	G	B	S4	3100	
EF96	6.3	DCAO-EFGO	1.5	L	H	B	S4	3100	
EF97	6.3	DCAO-EF8G	1.0	B	A	A	S4	1260	
EF98	6.3	DCAO-EF8G	1.0	C	A	A	S4	1300	
EF183	6.3	DEBO-GHCJ	2.0	K	F	C	S4	7850	
EF184	6.3	DEBO-GHCJ	2.5	K	K	C	S4	9500	
EF731	6.3	CFAO-EGDO	1.1	F	F	B	S4	2800	
EF732	6.3	CFAO-EGDO	1.5	F	F	B	S4	3100	
EF800	6.3	DEBO-GHAJ	2.0	J	J	B	S4	4500	
EF804	6.3	DEJO-GHCA	2.0	L	H	A	S4	1260	
EF805S	6.3	DEBO-GHAJ	2.0	L	F	B	S4	3800	
EF806S	6.3	DEJO-FACH	2.0	L	H	A	S4	1250	
EF861	6.3	DEBO-GJAH	---	J	H	C	S4	10000	SELF BIAS = 100 OHMS.
EFL200	6.3	EFHU-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177.
EFL200	6.3	EFAO-DCBO	3.0	H	H	C	S4	5300	PENTODE NO. 2.
EH90	6.3	DCAO-EF8G	1.7	F	D	A	S4	700	GRID NO. 1
EH90	6.3	DCGO-EF8A	1.7	F	D	A	S4	950	GRID NO. 3
EK90	6.3	CDGO-EF8A	2.0	L	C	A	S4	300	AMPL. SECT.
EK90	6.3	CDAO-FERB	0.0	F	F	B	S4	4500	OSC. SECT.
EL34	6.3	BGEO-CDHA	13.5	L	L	C	S4	6900	
EL36	6.3	BGEO-ODHO	8.2	F	F	C	S4	8800	CAP = P
EL37	6.3	BGEO-CDHO	10.0	H	H	B	S4	5000	
EL38	6.3	BGEO-ODHA	7.0	H	H	B	S4	5000	CAP = P
EL41	6.3	AHFO-BEGU	---	H	H	B	S4	5000	SELF BIAS = 170 OHMS. USE ADAPTER SA-5, 1050-129.
EL42	6.3	AHFO-BEGU	---	K	K	B	S4	2000	SELF BIAS = 360 OHMS. USE ADAPTER SA-5, 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EL80	6.3	DEBO-GACO	---	H	H	B	S4	5000	SELF BIAS = 170 OHMS. CAP = P
EL81	6.3	DEBO-OGCF	38.5	K	K	B	S4	2900	
EL83	6.3	DEBO-GACF	5.5	L	L	C	S4	6300	
EL84	6.3	DEBO-GJCO	7.3	L	L	C	S4	7200	
EL85	6.3	DEAO-GJCF	---	K	K	B	S4	2000	SELF BIAS = 360 OHMS.
EL86	6.3	DEBO-GJCO	12.5	J	J	C	S4	6300	
EL90	6.3	DCGO-EFBO	8.5	J	J	B	S4	2300	
EL91	6.3	DCAO-EGBO	13.5	L	L	A	S4	1600	
EL95	6.3	DCAO-EFBO	9.0	L	L	B	S4	3150	
EL180	12.6	DEBO-GHAC	3.2	L	J	C	S4	7000	CAP = P CAP=P. USE ADAPTER SA-8, 1050-168. USE ADAPTER SA-8, 1050-168. CAP=P. USE ADAPTER SA-8, 1050-168.
EL360	6.3	BGEO-ODHO	8.2	F	F	C	S4	8800	
EL500	6.3	DEBO-OGHO	15.0	G	G	C	S4	9500	
EL503	6.3	DEKO-JHFO	10.0	G	G	C	S4	8800	
EL505	6.3	DEAO-OCJB	45.0	G	G	B	S4	3200	
EL508	6.3	DEAO-FCGO	15.0	F	F	B	S4	2800	USE ADAPTER SA-8, 1050-168.
EL803	6.3	DEBO-GACF	5.5	L	L	C	S4	6300	
EL821	6.3	DEBO-GHCJ	2.5	L	K	C	S4	8200	
EL822	6.3	DEBO-GHCJ	2.5	L	K	C	S4	8200	
ELL80	6.3	DEFO-HJGO	2.0	L	L	B	S4	3900	PENT. NO. 1
ELL80	6.3	DEBO-CAGO	2.0	L	L	B	S4	3900	PENT. NO. 2 CONNECT A 1 MEGOHM RESISTOR FROM 'P' TO PIN NO. 3 OF ANY SOCKET. CONNECT A SECOND 1 MEGOHM RESISTOR FROM 'P' TO PIN 6 OF ANY SOCKET. EYE ONE CLOSSES AT BIAS OF ABOUT 5V. EYE TWO CLOSSES AT BIAS OF ABOUT 25.0V. CONNECT A 500K RESISTOR BETWEEN 'P' AND PIN 7 OF ANY SOCKET. VARY BIAS TO VARY BEAM ANGLE. CONNECT A 470K RESISTOR FROM 'P' TO PIN 7. VARY BIAS TO VARY BEAM ANGLE. SPLIT BAR (JUMPER PINS 7 & 9 SOLID BAR (OF ANY SOCKET. CONNECT A 470K OHM RESISTOR FROM THIS JUMPER TO PIN 6. SPLIT BAR (JUMPER NOVAL SOLID BAR (PINS 7 & 9. CONNECT A 100K OHM RESISTOR FROM THIS JUMPER TO PIN 6. SOLID BAR. SEE NOTE BELOW. SPLIT BAR. CONNECT 390 K OHM, 1/2 WATT, 10 % RESISTOR BETWEEN PINS 2 & 8 OF LOCTAL SOCKET.
EM34	6.3	GBDO-EOHO	VARY	K	A	D	S4	----	
EM80	6.3	DEAO-OJBO	VARY	L	L	D	S4	----	
EM81	6.3	DEAO-OJBO	VARY	L	L	D	S4	----	
EM84	6.3	DEAO-FOCO	1.0	L	L	D	S4	----	SOLID BAR (OF ANY SOCKET. CONNECT A 470K OHM RESISTOR FROM THIS JUMPER TO PIN 6. SPLIT BAR (JUMPER NOVAL SOLID BAR (PINS 7 & 9. CONNECT A 100K OHM RESISTOR FROM THIS JUMPER TO PIN 6. SOLID BAR. SEE NOTE BELOW. SPLIT BAR. CONNECT 390 K OHM, 1/2 WATT, 10 % RESISTOR BETWEEN PINS 2 & 8 OF LOCTAL SOCKET.
EM84	6.3	DEAO-FOCO	20.0	L	L	D	S4	----	
EM87	6.3	DEAO-FOCO	1.0	L	A	D	S4	----	
EM87	6.3	DEAO-FOCO	15.0	L	A	D	S4	----	
EMM801	6.3	DEJO-BOCA	20.0	K	A	D	S4	----	SOLID BAR. SEE NOTE BELOW. SPLIT BAR. CONNECT 390 K OHM, 1/2 WATT, 10 % RESISTOR BETWEEN PINS 2 & 8 OF LOCTAL SOCKET.
EMM801	6.3	DEJO-BOCA	7.0	K	A	D	S4	----	
EMM801	6.3	DEGO-BOCA	20.0	K	A	D	S4	----	
EMM801	6.3	DEGO-BOCA	7.0	K	A	D	S4	----	
EN91	6.3	DCAO-FOBE	---	A	F	F	S2	2000	NOTE 6. SET LOAD AT 80. FIRES ABOUT 2 V. READ ON 3000 SCALE. AMPL. SECT. JUMPER FROM PIN NO. 2 OF ANY SOCKET TO 'K'. OSC. SECT.
EQ80	6.3	EDGO-FAHJ	1.0	L	C	A	S4	500	
EQ80	6.3	EDGJ-AFHB	5.0	F	C	A	S4	1050	
EY81	6.3	DEOO-JOOO	0.0	A	D	G	S2	2600	
EY82	6.3	DEOO-JOCO	0.0	A	D	G	S2	4100	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE. SET LOAD AT 7. READ ON 10000 SCALE CAP = P. SET LOAD AT 11. READ ON 10000 SCALE. CAP = P. READ ON 60000 SCALE. CAP = P. READ ON 60000 SCALE.
EY84	6.3	DEOO-OOCO	0.0	A	E	G	S2	4400	
EY86	6.3	DBOO-OOOO	0.0	A	D	E	S2	22000	
EY87	6.3	DBOO-OOOO	0.0	A	D	E	S2	22000	
EY88	6.3	DEOO-JOOO	0.0	A	D	G	S2	4700	SET LOAD AT 11. CAP = K. READ ON 10000 SCALE. SET LOAD AT 30. READ ON 10000 SCALE. CAP = K. SET LOAD ON 5. READ ON 10000 SCALE. USE ADAPTER SA-8, 1050-168.
EY91	6.3	DCOO-COBO	0.0	A	E	G	S2	2400	
EY500	6.3	DEOO-GOOO	0.0	A	A	E	S2	350	

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
EZ35	6.3	G800-ECHA	0.0	A	E	G	S2	2400	NOTE 5. DUAL DIODE. SET LOAD AT 30 READ ON 10000 SCALE. NOTE 5. DUAL DIODE. SET LOAD AT 30 READ ON 10000 SCALE. USE ADAPTER SA-5, 1050-129.
EZ40	6.3	AH00-FBG0	0.0	A	E	G	S2	2500	
EZ80	6.3	DE00-GAC0	0.0	A	E	G	S2	2500	NOTE 5. DUAL DIODE. SET LOAD AT 30 READ ON 10000 SCALE.
EZ81	6.3	DE00-GAC0	0.0	A	D	G	S2	3300	NOTE 5. DUAL DIODE. SET LOAD AT 10 READ ON 10000 SCALE.
EZ90	6.3	DC00-FAG0	0.0	A	E	G	S2	2400	NOTE 5. DUAL DIODE. SET LOAD AT 30 READ ON 10000 SCALE.
GY501	3.0	HA00-0000	0.0	A	D	E	S2	12000	CAP = P. SET LOAD ON 30. READ ON 60000 SCALE.
GZ30	5.0	H800-FD00	0.0	A	D	G	S2	2700	USE ADAPTER SA-8, 1050-168. NOTE 5. DUAL DIODE. SET LOAD AT 13 READ ON 10000 SCALE.
GZ32	5.0	BH00-FD00	0.0	A	D	G	S2	2700	NOTE 5. DUAL DIODE. SET LOAD AT 12 READ ON 10000 SCALE.
GZ33	5.0	BH00-FD00	0.0	A	H	G	S2	6000	NOTE 5. DUAL DIODE. SET LOAD AT 20 READ ON 10000 SCALE.
GZ34	5.0	BH00-FD00	0.0	A	D	G	S2	3100	NOTE 5. DUAL DIODE. SET LOAD AT 13 READ ON 10000 SCALE.
H63	6.3	G800-DOHA	2.0	L	A	A	S4	950	CAP = G
H-1112	6.3	KM00-08H0	---	G	D	C	S4	6500	CAP = P, SELF BIAS=68 OHMS
H-1208	6.3	KM00-BOHO	1.3	E	A	C	S4	7000	DUAL DIODE. NOTE 5. SET LOAD AT 10 READ ON 10000 SCALE
HAA91	12.6	DC00-GBAE	0.0	A	D	G	S2	3300	
HABC80	20.0	DEHO-JUGF	3.0	L	A	A	S4	750	TRIODE SECT.
HABC80	20.0	DE00-F8GC	0.0	A	D	F	S2	1200	NOTE 5. DUAL DIODE. SET LOAD AT 53 READ ON 3000 SCALE.
HABC80	20.0	DE00-A0GH	0.0	A	D	F	S2	1200	DIODE NO. 3. SET LOAD AT 53. READ ON 3000 SCALE.
HBC90	12.6	DCA0-G0B0	3.0	L	A	A	S4	7500	TRIODE SECT.
HBC90	12.6	DC00-FEHO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
HBC91	12.6	DCA0-G0B0	2.0	L	A	A	S4	1000	TRIODE SECT.
HBC91	12.6	DC00-FEHO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
HCC85	17.0	DEGB-FAHC	1.1	F	A	B	S4	2900	NOTE 5. DUAL TRIODE
HCH81	12.6	DEBO-FACG	2.0	K	G	A	S4	1500	HEPTODE SECT.
HCH81	12.6	DEJO-HOCO	1.0	F	A	B	S4	2350	TRIODE SECT.
HD14	1.4	G800-C000	1.0	F	A	A	S4	200	NOTE 3. TRIODE SECT. CAP = G
HD14	1.4	G800-E000	0.0	B	A	B	S1	5000	DIODE SECT.
HD30	2.5	DECO-GA00	25.0	K	H	A	S4	1150	NOTE 3.
HD93	1.1	AB00-0000	0.0	A	E	E	S2	10000	CAP = P. READ ON 60000 SCALE
HD94	6.3	GBEO-ODHO	22.5	L	H	B	S4	3500	CAP = P
HD96	25.0	GBEO-ODHO	22.5	L	H	B	S4	3500	CAP = P
HF61	6.3	AHFO-BEG0	5.0	L	F	A	S4	630	USE ADAPTER SA-5, 1050-129.
HF62	6.3	AHFO-BEG0	2.0	L	L	B	S4	5700	USE ADAPTER SA-5, 1050-129.
HF93	12.6	DCA0-EFGB	1.0	L	F	B	S4	2800	AMPL. SECT. OSC. SECT.
HF94	12.6	DCA0-EFGB	1.0	L	H	B	S4	3300	
HK90	12.6	CDGO-EFBA	2.0	L	C	A	S4	300	
HK90	12.6	CDAO-FEBG	0.0	F	F	B	S4	4500	
HL90	20.0	DCA0-EFBO	8.5	J	J	B	S4	2300	
HL92	50.0	DC80-GFA0	8.0	G	F	B	S4	4700	BEFORE PLACING TUBE IN SOCKET JUMPER A 33 OHM, 2 WATT RESISTOR BETWEEN PINS 3 AND 9 OF ANY SOCKET THEN PROCEED WITH TEST.
HL94	35.0	DJ80-GFA0	6.7	F	F	B	S4	5850	
HM04	6.3	CDGO-EFBA	2.0	L	C	A	S4	300	AMPL. SECT.
HM04	6.3	CDAO-FEBG	0.0	F	F	B	S4	4500	OSC. SECT.
HP6	6.3	DCA0-EGRF	2.0	L	L	B	S4	4700	
HY90	35.0	DC00-E0G0	0.0	A	E	G	S2	5500	SET LOAD AT 12. READ ON 10000 SCALE.
HZ90	12.6	DC00-FAG0	0.0	A	E	F	S2	1700	DUAL DIODE. NOTE 5. SET LOAD AT 41 READ ON 3000 SCALE.
KT61	6.3	BGEO-CDHU	2.0	H	H	C	S4	5700	
KT66	6.3	BGEO-CDHU	15.0	L	L	B	S4	4000	

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
KT88	6.3	BGEO-CDHO	15.0	H	H	B	S4	3800	
KT263	6.3	GB00-CDHE	3.0	L	F	A	S4	750	CAP = G
L63	6.3	GBEO-CDHO	8.0	L	A	B	S4	1650	
L77	6.3	DCFO-EOGO	8.5	L	A	A	S4	1400	
LC900	3.0	DCAO-EOBF	1.5	H	A	C	S4	9400	
LCF80	6.3	DEBO-FCGO	3.2	L	K	B	S4	3450	PENTODE SECTION.
LCF80	6.3	DEJO-AOHO	2.0	F	A	B	S4	3150	TRIODE SECTION.
LCF200	6.3	EFEO-GHBD	1.5	H	G	C	S4	9000	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
LCF200	6.3	EFKO-JOAO	1.5	H	A	B	S4	3000	TRIODE SECTION.
LCF201	6.3	EFEO-GHBD	1.4	H	F	C	S4	7500	PENTODE SECTION. USE ADAPTER SA-11, 1050-177.
LCF201	6.3	EFKO-JOAO	3.0	F	A	B	S4	3000	TRIODE SECTION.
LCF801	5.0	DEBO-FGAO	1.2	J	G	C	S4	6950	PENTODE SECTION.
LCF801	5.0	DEJO-HOAO	3.0	F	A	B	S4	5700	TRIODE SECTION.
LCF802	6.3	DEBO-FCGO	1.0	F	F	B	S4	3450	PENTODE SECTION.
LCF802	6.3	DEJO-AOHO	2.0	K	A	B	S4	2500	TRIODE SECTION.
LCH200	5.0	EFEO-GDAB	1.0	B	B	A	S4	500	HEPTODE SECTION. USE ADAPTER SA-11, 1050-177.
LCH200	5.0	EFHO-KOJO	3.0	G	A	B	S4	3200	TRIODE SECTION.
LCL82	10.0	DECO-FGBO	6.0	E	E	B	S4	4300	PENTODE SECTION.
LCL82	10.0	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECTION.
LCL84	10.0	DEGO-FJGO	2.1	J	J	C	S4	6950	PENTODE SECTION.
LCL84	10.0	DEAU-BOCO	1.7	K	A	B	S4	2500	TRIODE SECTION.
LFL200	10.0	EFHO-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1. USE ADAPTER SA-11, 1050-177.
LFL200	10.0	EFAD-DCBO	3.0	H	H	C	S4	5300	PENTODE NO. 2.
LL86	10.0	DEBO-GJCO	12.5	J	J	C	S4	6300	
LL500	17.0	DEBO-DGHO	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
LL505	25.0	DEAO-OCJB	45.0	G	G	B	S4	3200	CAP=P. USE ADAPTER SA-8, 1050-177.
LL521	20.0	DEHO-OFJG	20.0	H	G	C	S4	5900	CAP=P. USE ADAPTER SA-8, 1050-168.
LN119	6.3	DECO-FGBO	6.0	E	E	B	S4	4300	PENT. SECT.
LN119	6.3	DEAO-JOHO	1.2	H	A	B	S4	1500	TRIODE SECT.
LN152	6.3	DEJO-FHCG	6.7	J	J	B	S4	2100	PENT. SECT.
LN152	6.3	DEBO-AOHO	2.0	F	A	A	S4	850	TRIODE SECT.
LN309	12.6	DEJO-FHGO	9.5	J	J	B	S4	1300	PENTODE SECTION.
LN309	12.6	DEBO-AOCO	1.5	J	A	B	S4	800	TRIODE SECTION.
LY88	20.0	DEOO-JOHO	0.0	A	D	G	S2	4700	CAP = K. SET LOAD ON 11. READ ON 10000 SCALE.
LY500	25.0	DEOO-GOHO	0.0	A	A	E	S2	350	CAP = K. SET LOAD ON 5. READ ON 10000 SCALE. USE ADAPTER SA-8, 1050-168.
M8079	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	NOTE 5. DUAL DIODE. SET LOAD ON 11 READ ON 10000 SCALE.
M8081	6.3	DCEF-BAGO	1.1	F	A	B	S4	3300	NOTE 5. DUAL TRIODE
M8098	OFF	OOOO-AOBO	---	H	A	VR	S4	85V	NOTE 1. NOTE 2 = 125 V. REGULATION = 3 V. FROM 1 TO 10 MA.
M8100	6.3	DCAO-EFGO	2.0	J	G	B	S4	3100	
M8136	12.6	DEGB-FAHC	8.5	L	A	A	S4	1400	NOTE 5. DUAL TRIODE
M8137	12.6	DEGB-FAHC	2.0	L	A	A	S4	1000	NOTE 5. DUAL TRIODE
M8162	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	NOTE 5. DUAL TRIODE
M8212	6.3	DCOO-GBAE	0.0	A	D	G	S2	3300	DUAL DIODE. NOTE 5. SET LOAD AT 10 READ ON 10000 SCALE.
N17	2.5	GACO-BDOO	2.7	E	D	A	S4	500	NOTE 3.
N18	2.5	GACO-FDOO	4.5	E	E	A	S4	1250	NOTE 3.
N19	3.0	GAFO-BCOO	4.5	E	E	A	S4	1250	NOTE 3.
N22LL	20.0	DEGO-JFCB	29.0	G	G	B	S4	3800	USE ADAPTER SA-8, 1050-168.
N30EL	6.3	MAEO-DCBD	31.0	H	G	B	S4	3900	CAP = P.
N77	6.3	DCAO-EGBO	13.5	L	L	A	S4	1600	
N78	6.3	DCAO-EGBO	5.5	L	L	C	S4	6300	
N119	50.0	DEBO-GJCO	12.5	J	J	B	S4	6300	
N144	6.3	CDAO-EGBO	13.5	L	L	B	S4	1600	
N151	6.3	AHFO-BEHO	---	K	K	B	S4	2000	SELF BIAS = 360 OHMS. USE ADAPTER SA-5, 1050-129.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
N152	20.0	DEBO-DMCJ	23.0	J	J	B	S4	4100	CAP = P
N153	12.6	DEBO-GACF	2.9	J	J	C	S4	6000	
N154	17.0	DEBO-GJCO	10.4	J	J	C	S4	6400	
N309	12.6	DEBO-GACF	2.9	J	J	C	S4	6000	CAP = P
N329	17.0	DEBO-GJCO	10.4	J	J	C	S4	6400	
N359	20.0	DEBO-DMCJ	23.0	J	J	B	S4	4100	
N709	6.3	DEBO-GJCO	7.2	L	L	C	S4	7000	
N727	6.3	DCGO-EFB0	8.5	J	J	B	S4	2300	
OM4	6.3	AHCO-B0GO	6.0	L	A	A	S4	1250	TRIODE SECT. CAP = G
OM4	6.3	AHCO-FE00	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
PABC80	10.0	DEHO-J0GO	1.0	F	A	A	S4	900	TRIODE SECT.
PABC80	10.0	DE00-F0GO	0.0	B	A	B	S1	5000	DIODE NO. 1
PABC80	10.0	DE00-BACG	0.0	A	D	G	S2	2600	NOTE 5. DUAL DIODE. SET LOAD ON 13 READ ON 10000 SCALE.
PC86	4.3	DEBO-A0CO	1.5	J	A	C	S4	8750	
PC88	4.3	DECO-H0B0	1.2	H	A	C	S4	8450	
PC95	3.0	DCBO-EOGF	1.2	K	A	C	S4	6500	
PC97	4.3	DCBO-EOAO	1.0	G	A	C	S4	8200	
PC900	4.3	DCAO-EOBF	1.5	H	A	C	S4	9400	
PCC84	7.5	DEFB-JCGA	1.5	F	A	B	S4	3750	NOTE 5. DUAL TRIODE
PCC85	10.0	DEGB-FAHC	1.0	F	A	B	S4	2500	NOTE 5. DUAL TRIODE
PCC88	7.5	DEGB-FAHC	1.2	F	A	C	S4	7850	NOTE 5. DUAL TRIODE
PCC89	7.5	DEFB-JCHA	1.2	E	A	C	S4	7500	DUAL TRIODE. NOTE 5.
PCC189	7.5	DEGB-FAHC	1.3	F	A	C	S4	8400	NOTE 5. DUAL TRIODE
PCF80	10.0	DEBO-FCGO	2.0	J	J	B	S4	3450	PENT. SECT.
PCF80	10.0	DEJO-A0HO	2.0	F	A	B	S4	3150	TRIODE SECT.
PCF82	10.0	DEBO-FCGO	1.0	G	F	B	S4	3100	PENT. SECT.
PCF82	10.0	DEJO-A0HO	1.0	G	A	B	S4	4700	TRIODE SECT.
PCF86	7.5	DEBO-HJAO	1.5	J	H	C	S4	7500	PENT. SECT.
PCF86	7.5	DEFO-G0AO	3.0	F	A	B	S4	3750	TRIODE SECT.
PCF200	7.5	EFCO-GHBD	1.5	H	G	C	S4	9000	PENTODE SECTION.
PCF200	7.5	EFKO-J0AO	1.5	H	A	B	S4	3000	USE ADAPTER SA-11, 1050-177.
PCF201	7.5	EFCO-GHBD	1.4	H	F	C	S4	7500	TRIODE SECTION.
PCF201	7.5	EFKO-J0AO	3.0	F	A	B	S4	3000	PENTODE SECTION.
PCF801	7.5	DEBO-FGAO	1.2	J	G	C	S4	6950	TRIODE SECTION.
PCF801	7.5	DEJO-H0AO	3.0	F	A	B	S4	5700	PENTODE SECTION.
PCF802	10.0	DEBO-FCGO	1.0	F	F	B	S4	3450	TRIODE SECTION.
PCF802	10.0	DEJO-A0HO	2.0	K	A	B	S4	2500	PENTODE SECTION.
PCF805	7.5	DEGO-CBHO	2.0	G	G	B	S4	2700	PENTODE SECTION.
PCF805	7.5	DEJO-A0HO	9.0	F	A	B	S4	1800	TRIODE SECTION.
PCH200	10.0	EFCO-GDAB	1.0	B	B	A	S4	500	HEPTODE SECTION.
PCH200	10.0	EFHO-K0JO	3.0	G	A	B	S4	3200	USE ADAPTER SA-11, 1050-177.
PCL82	17.0	DECO-FGBO	6.0	E	E	B	S4	4300	TRIODE SECTION.
PCL82	17.0	DEAO-J0HO	1.2	H	A	B	S4	1500	PENT. SECT.
PCL83	12.6	DEJO-FHGO	9.5	J	J	B	S4	1300	TRIODE SECT.
PCL83	12.6	DEBO-A0CO	1.5	J	A	B	S4	800	PENTODE SECTION.
PCL84	17.0	DEHO-FJGO	2.1	J	J	C	S4	6950	TRIODE SECTION.
PCL84	17.0	DEAO-H0CO	1.7	K	A	B	S4	2500	PENT. SECT.
PCL85	20.0	DEJO-FHGO	15.0	J	J	B	S4	4700	TRIODE SECT.
PCL85	20.0	DEBO-A0CO	1.0	F	A	B	S4	3450	PENT. SECT.
PCL86	12.6	DEHO-FCGO	7.0	L	L	C	S4	6300	TRIODE SECT.
PCL86	12.6	DEAO-J0BO	1.5	L	A	A	S4	1000	TRIODE SECT.
PD500	7.5	DE00-H0AO	0.0	B	A	C	S1	5000	CAP=G. USE ADAPTER SA-8, 1050-168. READ ON 30000 SCALE.
PF86	4.3	DEJO-FACH	2.0	L	H	A	S4	1260	
PFL200	17.0	EFHO-KJGO	2.6	J	J	C	S4	13000	PENTODE NO. 1.
PFL200	17.0	EFAO-DCBO	3.0	H	H	C	S4	5300	USE ADAPTER SA-11, 1050-177.
PL21	6.3	DCAO-F0BE	---	A	F	F	S2	2000	PENTODE NO. 2.
PL36	25.0	BGE0-ODHU	8.2	F	F	C	S4	8800	NOTE 6. SET LOAD AT 80. FIRES ABOUT 2V. READ ON 3000 SCALE. CAP = P

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
PL81	20.0	DEBO-OHCJ	23.0	J	J	B	S4	4100	CAP = P
PL82	17.0	DEBO-GJCO	10.4	J	J	C	S4	5800	
PL83	12.6	DEBO-GACF	2.9	J	J	C	S4	6300	
PL84	12.6	DEBO-GJCO	12.5	J	J	C	S4	7200	
PL500	25.0	DEBO-OGHU	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
PL505	35.0	DEAO-OCJB	45.0	G	G	B	S4	3200	CAP=P. USE ADAPTER SA-8, 1050-168.
PL508	17.0	DEAO-FCGO	15.0	F	F	B	S4	2800	USE ADAPTER SA-8, 1050-168.
PL521	25.0	DEHO-OFJG	20.0	H	G	C	S4	5900	CAP=P. USE ADAPTER SA-8, 1050-168.
PLL80	12.6	DEFO-HJGO	2.0	L	L	B	S4	3900	PENT. NO. 1
PLL80	12.6	DEBO-CAGO	2.0	L	L	B	S4	3900	PENT. NO. 2
PM04	6.3	DCAO-EFGB	1.0	F	F	A	S4	1900	
PM05	6.3	DCAO-EFGO	2.0	J	G	B	S4	3100	
PM07	6.3	DCAO-EGBF	2.0	L	L	B	S4	4800	
PY80	20.0	DEOO-JOCO	0.0	A	E	G	S2	5500	SET LOAD ON 12. READ ON 10000 SCALE.
PY81	17.0	DEOO-JOOO	0.0	A	D	G	S2	2600	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
PY82	17.0	DEOO-JOCO	0.0	A	E	G	S2	5500	SET LOAD AT 12. READ ON 10000 SCALE.
PY88	25.0	DEOO-JOOO	0.0	A	D	G	S2	4700	CAP = K. SET LOAD ON 11. READ ON 10000 SCALE.
PY500	50.0	DEOO-GOOO	0.0	A	K	G	S2	6100	CAP = K. SET LOAD AT 30. READ ON 10000 SCALE.
PY800	20.0	DEOO-JOOO	0.0	A	D	G	S2	2600	USE ADAPTER SA-8, 1050-168. CAP = K. SET LOAD ON 11. READ ON 10000 SCALE.
QA2403	6.3	DCAO-EGBF	2.0	L	L	B	S4	4800	
QA2406	12.6	DEGB-FAHC	2.0	L	A	B	S4	3500	NOTE 5. DUAL TRIODE
QE03/10	6.3	DEJO-AFGC	7.5	M	L	B	S4	4400	
QE05/40	6.3	GBEO-OCAH	25.0	H	H	B	S4	3400	CAP = P.
QE05/40F	12.6	GBEO-OCAH	25.0	H	H	B	S4	3400	CAP = P.
QE05/40H	25.0	GBEO-OCAH	25.0	H	H	B	S4	3400	CAP = P.
QE06/50	6.3	FACO-OBEO	14.0	L	L	B	S4	3800	CAP = P.
QQE02/5	12.6	DECA-HGBO	3.5	K	H	C	S4	6500	TETRODE NO. 1
QQE02/5	12.6	DEAC-FGBO	3.5	K	H	C	S4	6500	TETRODE NO. 2
QQE03/12	12.6	DECA-HGBO	10.0	J	H	B	S4	2100	TETRODE NO. 1
QQE03/12	12.6	DEAC-FGBO	10.0	J	H	B	S4	2100	TETRODE NO. 2
QQE03/20	12.6	AGFB-OCDO	10.0	K	K	B	S4	3800	TETRODE NO. 1. RIGHT CAP = P. USE ADAPTER SA-6, 1050-107.
QQE03/20	12.6	AGBF-OCDO	10.0	K	K	B	S4	3800	TETRODE NO. 2. LEFT CAP = P. USE ADAPTER SA-6, 1050-107.
QQE06/40	12.6	AGFB-OCDO	12.0	L	J	C	S4	5000	RIGHT CAP = P. USE ADAPTER SA-6, 1050-107.
QQE06/40	12.6	AGBF-OCDO	12.0	L	J	C	S4	5000	LEFT CAP = P. USE ADAPTER SA-6, 1050-107.
QQV02/6	12.6	DECA-HGBO	3.5	K	H	C	S4	6500	TETRODE NO. 1.
QQV02/6	12.6	DEAC-FGBO	3.5	K	H	C	S4	6500	TETRODE NO. 2.
QQV03/10	12.6	DECA-HGBO	10.0	J	H	B	S4	2100	TETRODE NO. 1
QQV03/10	12.6	DEAC-FGBO	10.0	J	H	B	S4	2100	TETRODE NO. 2
QQV03/20A	12.6	AGFB-OCDO	10.0	K	K	B	S4	3800	TETRODE NO. 1. RIGHT CAP = P. USE ADAPTER SA-6, 1050-107.
QQV03/20A	12.6	AGBF-OCDO	10.0	K	K	B	S4	3800	TETRODE NO. 2. LEFT CAP = P. USE ADAPTER SA-6, 1050-107.
QQV06/40	12.6	AGFB-OCDO	12.0	L	J	C	S4	5000	RIGHT CAP = P. USE ADAPTER SA-6, 1050-107.
QQV06/40	12.6	AGBF-OCDO	12.0	L	J	C	S4	5000	LEFT CAP = P.
QS95/10	OFF	OOOO-EQAO	---	F	A	VR	S3	95V	CONNECT A 470K OHM RESISTOR BETWEEN PINS 1 AND 4 (ANY SOCKET). NOTE 2. 110V PRESS S4. REGULATION = 5V FROM 2 TO 10 MA.
QV05/25	6.3	FACO-OBEO	14.0	L	L	B	S4	3800	CAP = P.
STV85/10	OFF	OOOO-AOBO	---	H	A	VR	S3	85V	NOTE 2. 125V. PRESS S4. REGULATION = 3V FROM 1 TO 10 MA
STV108/30	OFF	OOOO-EQBO	---	G	A	VR	S3	108V	NOTE 2. 115V. PRESS S4. REGULATION = 2V FROM 5 TO 30 MA
STV150/30	OFF	OOOO-EQBO	---	J	A	VR	S3	150V	NOTE 2. 155V. PRESS S4. REGULATION = 2V FROM 5 TO 30 MA

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
STV150/30	OFF	0000-E0B0	---	J	A	VR	S3	150V	NOTE 2. 155V. PRESS S4. REGULATION = 2V FROM 5 TO 30 MA
U26	6.3	D800-0000	0.0	A	D	E	S2	22000	CAP = P. READ ON 60000 SCALE
U49	6.3	D800-0000	0.0	A	D	E	S2	22000	CAP = P. READ ON 60000 SCALE
U52	5.0	H800-F000	0.0	A	H	G	S2	6000	DUAL DIODE. NOTE 5.
U70	6.3	G800-ECHA	0.0	A	E	G	S2	2400	SET LOAD AT 20 READ ON 10000 SCALE NOTE 5. DUAL DIODE. SET LOAD AT 30 READ ON 10000 SCALE.
U78	6.3	DC00-FAG0	0.0	A	E	G	S2	2400	DUAL DIODE. SET LOAD ON 30. READ ON 10000 SCALE.
U119	35.0	DE00-J0C0	0.0	A	D	G	S2	3700	SET LOAD AT 7. READ ON 10000 SCALE
U152	20.0	DE00-J0C0	0.0	A	E	G	S2	5500	SET LOAD ON 12. READ ON 10000 SCALE.
U153	20.0	DE00-J000	0.0	A	D	G	S2	2600	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
U154	20.0	DE00-J0C0	0.0	A	E	G	S2	5500	SET LOAD ON 12. READ ON 10000 SCALE.
U192	20.0	DE00-J0C0	0.0	A	E	G	S2	5500	SET LOAD AT 12. READ ON 10000 SCALE.
U381	35.0	DE00-J0C0	0.0	A	D	G	S2	3700	SET LOAD AT 11. READ ON 10000 SCALE.
U709	6.3	DE00-GAC0	0.0	A	D	G	S2	3300	NOTE 5. DUAL DIODE. SET LOAD AT 10 READ ON 10000 SCALE.
UAA91	20.0	DC00-GBAE	0.0	A	D	G	S2	3300	DUAL DIODE. NOTE 5. SET LOAD ON 10 READ ON 10000 SCALE
UABC80	25.0	DEH0-J0G0	1.0	F	A	A	S4	900	TRIODE SECT.
UABC80	25.0	DE00-F0G0	0.0	B	A	B	S1	5000	DIODE NO. 1
UABC80	25.0	DE00-BACG	0.0	A	D	G	S2	2600	NOTE 5. DUAL DIODE. SET LOAD ON 13 READ ON 10000 SCALE.
UAF42	12.6	AHFO-BEGD	2.0	L	E	A	S4	1250	PENTODE SECTION. USE ADAPTER SA-5, 1050-129.
UAF42	12.6	AH00-C0G0	0.0	B	A	B	S1	5000	DIODE SECTION. USE ADAPTER SA-5, 1050-129.
UBC41	12.6	AHCO-B0G0	3.0	L	A	A	S4	750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
UBC41	12.6	AH00-FEG0	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE. USE ADAPTER SA-5, 1050-129.
UBC81	12.6	DEB0-A0C0	3.0	L	A	A	S4	750	TRIODE SECT.
UBC81	12.6	DE00-FHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
UBF80	17.0	DEB0-FACJ	2.0	L	E	A	S4	1400	PENT. SECT.
UBF80	17.0	DE00-GHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
UBF89	20.0	DEB0-FACJ	2.0	L	F	B	S4	2400	PENT. SECT.
UBF89	20.0	DE00-GHCO	0.0	B	A	B	S1	5000	NOTE 5. DUAL DIODE
UC92	10.0	DCFO-A0G0	2.0	L	A	B	S4	3500	
UCC85	25.0	DEG8-FAHC	1.0	E	A	B	S4	2550	NOTE 5. DUAL TRIODE
UCH42	12.6	AHFO-BEGD	1.0	L	E	B	S4	1500	HEXODE SECTION. USE ADAPTER SA-5, 1050-129.
UCH42	12.6	AH00-C0G0	1.0	F	A	A	S4	1750	TRIODE SECTION. USE ADAPTER SA-5, 1050-129.
UCH81	20.0	DEB0-FACO	2.0	L	F	A	S4	1550	HEPTODE SECT.
UCH81	20.0	DEJO-H0C0	1.0	F	A	B	S4	2000	TRIODE SECT.
UCL82	50.0	DECO-FG80	6.0	E	E	B	S4	4300	PENT. SECT.
UCL82	50.0	DEAO-J0H0	1.2	H	A	B	S4	1500	TRIODE SECT.
UCL83	35.0	DEJO-FHGO	9.5	J	J	B	S4	1300	PENTODE SECTION.
UCL83	35.0	DEB0-A0C0	1.5	J	A	B	S4	800	TRIODE SECTION.
UF41	12.6	AHFO-BEGD	5.0	L	F	A	S4	630	USE ADAPTER SA-5, 1050-129.
UF42	20.0	AHFO-BEGD	2.0	L	L	B	S4	5700	USE ADAPTER SA-5, 1050-129.
UF80	20.0	DEB0-GHAJ	2.0	J	J	B	S4	4500	
UF85	20.0	DEB0-GHAJ	2.0	L	F	B	S4	3800	
UF86	12.6	DEJO-FACH	2.0	L	H	A	S4	1250	
UF89	12.6	DEB0-GHAJ	2.0	L	F	B	S4	2300	
UL41	50.0	AHFO-BEHO	7.0	L	L	C	S4	6300	USE ADAPTER SA-5, 1050-129.
UL84	50.0	DEB0-GJCO	12.5	J	J	C	S4	6300	
UM80	20.0	DEAO-OJBO	VARY	L	L	D	S4	----	CONNECT A 500K OHM RESISTOR BETWEEN 'P' AND PIN 7. OF ANY SOCKET. VARY BIAS TO VARY BEAM ANGLE.

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS FOR EXPLANATIONS - SEE BACK COVER
UY41	35.0	AH00-B0G0	0.0	A	D	G	S2	3700	SET LOAD AT 10. READ ON 10000 SCALE. USE ADAPTER SA-5, 1050-129.
UY42	35.0	AH00-B0G0	0.0	A	D	G	S2	3700	SET LOAD ON 10. READ ON 10000 SCALE. USE ADAPTER SA-5, 1050-129.
UY85	35.0	DE00-J0C0	0.0	A	D	G	S2	3700	SET LOAD AT 10. READ ON 10000 SCALE.
UY89	35.0	DE00-J0C0	0.0	A	D	G	S2	3700	SET LOAD ON 10 READ ON 10000 SCALE
W17	1.4	AGFO-8C00	1.0	E	E	A	S4	550	NOTE 3.
W77	6.3	DCA0-EGBF	2.5	K	K	A	S4	1600	
X17	1.4	GAFO-8C00	0.0	E	C	A	S4	300	NOTE 4. PENT. SECT. NOTE 3
X17	1.4	GAD0-C80F	0.0	D	D	A	S4	500	NOTE 4. OSC. SECT. NOTE 3
X78	6.3	DC80-EA0G	3.0	L	E	A	S4	500	HEXODE SECT.
X78	6.3	DCG0-F00D	1.0	F	A	B	S4	1750	TRIODE SECT.
X108	20.0	DC80-EA0G	3.0	L	E	A	S4	500	HEXODE SECTION.
X108	20.0	DCG0-F00D	1.0	F	A	B	S4	1750	TRIODE SECTION.
X119	20.0	DEB0-FAC0	2.0	L	F	A	S4	1550	HEPTODE SECTION.
X119	20.0	DEJO-H0C0	1.0	F	A	B	S4	2000	TRIODE SECTION.
X142	12.6	AHFO-BEGD	1.0	L	E	B	S4	1500	HEXODE SECTION.
X142	12.6	AH00-C0G0	1.0	F	A	A	S4	1750	USE ADAPTER SA-5, 1050-129.
X719	6.3	DEB0-FAC0	2.0	L	F	A	S4	1550	TRIODE SECTION.
X719	6.3	DEJO-H0C0	1.0	F	A	B	S4	2000	HEPTODE SECT.
X727	6.3	CDG0-EF8A	2.0	L	C	A	S4	300	TRIODE SECT.
X727	6.3	CDA0-FEBG	0.0	F	F	B	S4	4500	AMPL. SECT.
XC95	2.5	DCB0-E0GF	1.2	K	A	C	S4	6500	OSC. SECT.
XC97	2.5	DCB0-E0AO	1.0	G	A	C	S4	8200	
XC900	2.0	DCA0-E0BF	1.5	H	A	C	S4	9400	
XCC82	6.3	DEGB-FAHC	8.5	L	A	A	S4	1400	DUAL TRIODE. NOTE 5.
XCC189	4.3	DEGB-FAHC	1.3	F	A	C	S4	8400	NOTE 5. DUAL TRIODE
XCF80	4.3	DEB0-FCG0	3.2	L	K	B	S4	3450	PENT. SECT.
XCF80	4.3	DEJO-A0H0	2.0	F	A	B	S4	3150	TRIODE SECT.
XCF86	5.0	DEB0-HJCO	1.5	J	H	C	S4	7500	PENTODE SECTION.
XCF86	5.0	DEFO-G0C0	3.0	F	A	B	S4	3800	TRIODE SECTION.
XCF801	4.3	DEB0-FGAD	1.2	J	G	C	S4	6950	PENTODE SECTION.
XCF801	4.3	DEJO-H0AO	3.0	F	A	B	S4	5700	TRIODE SECTION.
XCH81	3.0	DEB0-FAC0	2.0	L	F	A	S4	1550	HEPTODE SECT.
XCH81	3.0	DEJO-H0C0	1.0	F	A	B	S4	2000	TRIODE SECT.
XCL82	7.5	DECO-FG8D	6.0	E	E	B	S4	4300	PENT. SECT.
XCL82	7.5	DEAO-J0H0	1.2	H	A	B	S4	1500	TRIODE SECT.
XCL84	7.5	DEHO-FJG0	2.1	J	J	C	S4	6950	PENT. SECT.
XCL84	7.5	DEAO-B0C0	1.7	K	A	B	S4	2500	TRIODE SECT.
XCL85	10.0	DEJO-FGHO	15.0	J	J	B	S4	4700	PENT. SECT.
XCL85	10.0	DEB0-A0C0	1.0	F	A	B	S4	3450	TRIODE SECT.
XF80	3.0	DEB0-GHAJ	2.0	J	J	B	S4	4500	
XF85	3.0	DEB0-GHAJ	2.0	L	F	B	S4	3800	
XF183	3.0	DEB0-GHCJ	2.0	K	F	C	S4	7850	
XF184	3.0	DEB0-GHCJ	2.5	K	K	C	S4	9500	
XL36	12.6	BGEO-ODHO	8.2	F	F	C	S4	8800	CAP = P
XL84	7.5	DEB0-GJCO	7.3	L	L	C	S4	7200	
XL86	7.5	DEB0-GJCO	12.5	J	J	C	S4	6300	
XL500	12.6	DEB0-0GHO	15.0	G	G	C	S4	9500	CAP=P. USE ADAPTER SA-8, 1050-168.
YL1080	1.4	DEAO-FGOC	10.0	H	H	A	S4	1750	TETRODE NO. 1.
YL1080	1.4	DECO-HGOA	10.0	H	H	A	S4	1750	TETRODE NO. 2.
YL1370	6.3	GBEO-OCAH	25.0	H	H	B	S4	3400	CAP = P.
YL1371	12.6	GBEO-OCAH	25.0	H	H	B	S4	3400	CAP = P.
YL1372	25.0	GBEO-OCAH	25.0	H	H	B	S4	3400	CAP = P.
XY88	17.0	DE00-J000	0.0	A	D	G.	S2	3700	CAP = K. SET LOAD AT 11. READ ON 10000 SCALE.
YC95	3.0	DCB0-E0GF	1.2	K	A	C	S4	6500	
YC97	3.0	DCB0-E0AO	1.0	G	A	C	S4	8200	
YCC189	5.0	DEGB-FAHC	1.3	F	A	C	S4	8400	NOTE 5. DUAL TRIODE
YF183	4.3	DEB0-GHCJ	2.0	K	F	C	S4	7850	
YF184	4.3	DEB0-GHCJ	2.5	K	K	C	S4	9500	
Z63	6.3	GB00-CDHE	3.0	L	F	A	S4	750	CAP = G

TUBE TYPE	FIL.	SELECTORS	BIAS	PLT	SCRN	RANGE	PRESS	MIN. MUT. COND	NOTATIONS . FOR EXPLANATIONS - SEE BACK COVER
Z77	6.3	DCAO-EGBF	2.0	L	L	B	S4	4800	USE ADAPTER SA-5, 1050-129.
Z150	6.3	AHFO-BEGO	2.0	L	L	B	S4	5700	
Z152	6.3	DEBO-GHAJ	2.0	J	J	B	S4	4500	
Z719	6.3	DEBO-GHAJ	2.0	J	J	B	S4	4500	
Z729	6.3	DEJO-FACH	2.0	L	H	A	S4	1260	
ZD17	1.4	AGFO-EDOO	1.0	E	E	A	S4	400	NOTE 3. PENT. SECT. DIODE SECT. PENT. SECT. NOTE 5. DUAL DIODE
ZD17	1.4	AGOO-COOO	0.0	B	A	B	S1	5000	
ZD152	6.3	DEBO-FACJ	2.0	L	E	A	S4	1400	
ZD152	6.3	DEOO-GHCO	0.0	B	A	B	S1	5000	

NOTATIONS

- NOTE 1: (symbol "†" on Roll Chart) Read 0-100 milliamperes with S3 pressed.
- NOTE 2: (symbol "★" on Roll Chart) Approximate starting voltage for voltage regulator tubes.
- NOTE 3: (symbol "♦" on Roll Chart) Filament Centering. Press and hold down S4 and S7 while adjusting METER to read zero by means of the red FILAMENT CENTER knob mounted concentrically on the FILAMENT VOLTS switch. Then proceed with test.
- NOTE 4: (symbol "÷" on Roll Chart) Verify shorts by setting first FILAMENT SELECTOR switch to "0".
- NOTE 5: (symbol "X" on Roll Chart) Dual Test: For dual section tubes, make normal leakage test first, then repeat leakage test for second section with S6 pressed. Release S6 and proceed with further first section tests using button indicated in PRESS column. For second section tests, press and hold down S6 together with button indicated in the PRESS column.
- NOTE 6: (symbol "#" on Roll Chart) Set BIAS VOLTS control to 50 volts; press button indicated in the PRESS column; then decrease bias until tube "fires". Note the firing voltage. Reduce BIAS VOLTS control to zero and take quality reading.

